

**LEVEL III**

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THE SORTIE-GENERATION MODEL SYSTEM  
VOLUME V  
MAINTENANCE SUBSYSTEM

September 1981

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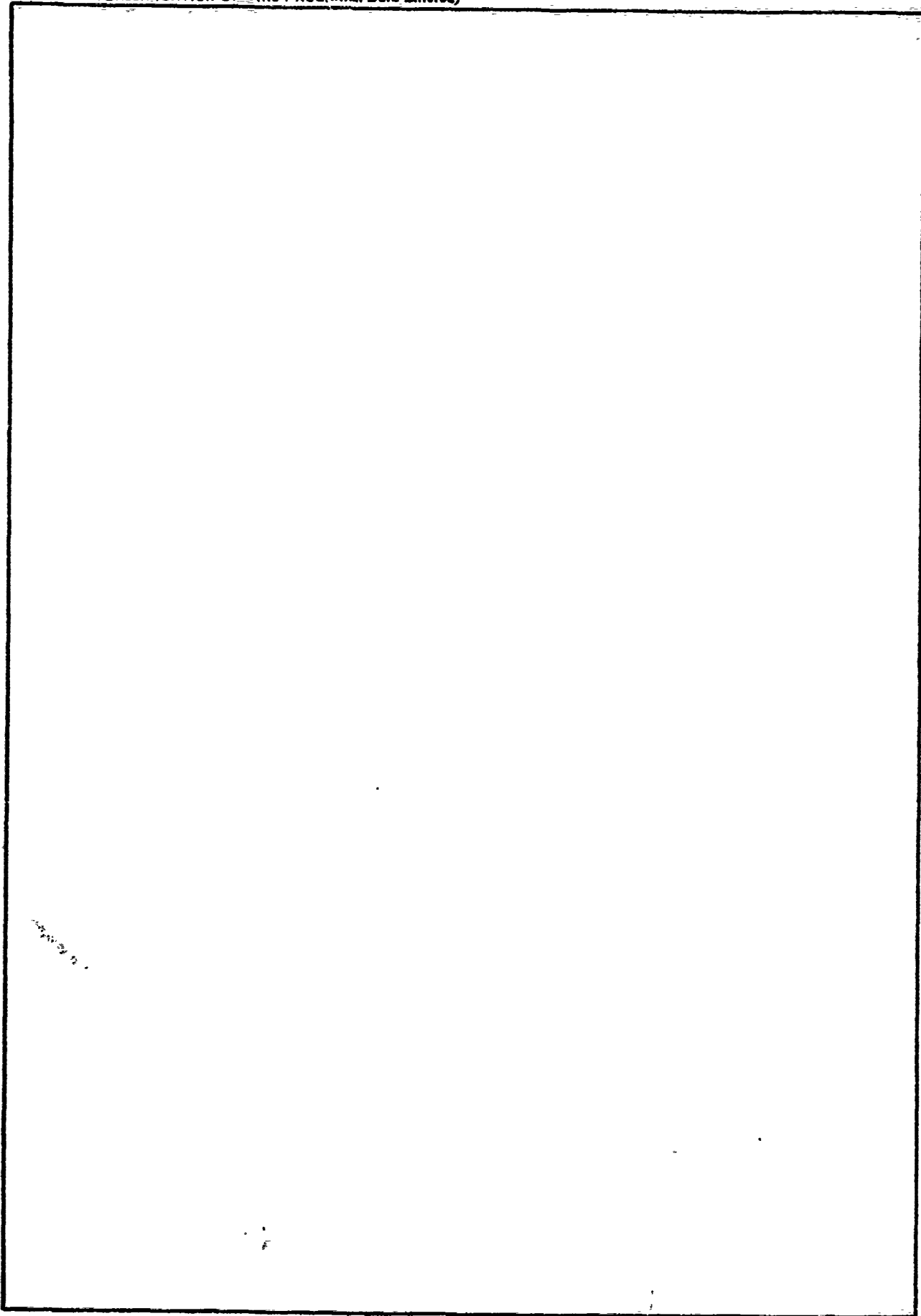
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## PREFACE

This volume is the fifth of six volumes that describe the LMI Sortie-Generation Model System. Volume I, Executive Summary, discusses the problem the system is designed to address and provides an overview of the principal parts of the system. Volume II, Sortie-Generation Model User's Guide, provides sufficient information to allow a user to run the Sortie-Generation Model (SGM). Volume III, Sortie-Generation Model Analyst's Manual, describes the mathematical structures, derivations, assumptions, limitations, and data sources of the SGM at a very detailed level. Volume IV, Sortie-Generation Model Programmer's Manual, specifies the details of the computer programs, file structures, job control language, and operating environment of the SGM. Volume V describes the maintenance subsystem and explains the construction of the maintenance input file to the SGM. Volume VI describes the spares subsystem and shows a user how to build the spares file that is used by the SGM.

Potential users are cautioned that no volume is intended to provide, by itself, all of the information needed for a comprehensive understanding of the operation of the SGM.



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## TABLE OF CONTENTS

	<u>Page</u>
PREFACE . . . . .	ii
ACKNOWLEDGMENTS . . . . .	iii
INTRODUCTION . . . . .	1
DETAILED SYSTEM DESCRIPTION . . . . .	4
Request Base-Level Data . . . . .	4
Convert Base-Level Tapes . . . . .	12
Find All Work Centers . . . . .	18
Extract Records and Determine Off-Equipment Requirements . .	24
Create SGM Manpower Input Data . . . . .	45
Reduction and Tabulation Procedures . . . . .	52
Derive Maintenance Manpower Inputs . . . . .	53
APPENDIX A. CONVERT MAINTENANCE HISTORY TAPES	
APPENDIX B. FIND ALL WORK CENTERS	
APPENDIX C. EXTRACT RELEVANT MANHOURS	
APPENDIX D. UNIT MANNING DOCUMENTS	
APPENDIX E. "SMALLJCL"	
APPENDIX F. NOTIONAL BASE RUN	
APPENDIX G. CDEP LISTINGS	
APPENDIX H. ANALYSIS PROGRAM LISTING	
APPENDIX I. SMALLJCL PROGRAM LISTINGS	
APPENDIX J. NOTIONAL BASE PROGRAM LISTINGS	
APPENDIX K. AN INTRODUCTION TO AIR FORCE BASE MAINTENANCE ORGANIZATIONAL STRUCTURES	

# LIST OF FIGURES

<u>FIGURE</u>		<u>Page</u>
1	SGM Manpower Data Processing Sequence . . . . .	3
2	AFTO Fore 349, "Maintenance Data Collection Record . . . . .	6
3	Maintenance Data Collection System Record Layout . . . . .	7
4	Seymour Johnson MOI . . . . .	8
5	Lakenheath MOI . . . . .	10
6	Seymour Johnson Unit Manning Document . . . . .	13
7	Convert Base-Level History Tapes . . . . .	15
8	Seymour Johnson PHYSKIPS . . . . .	16
9	Sample ZAT1FO Output . . . . .	17
10	Find All Work Centers Processing Sequence . . . . .	19
11	CDEP Instructions to Reject All Work Centers (or AFSCs) . . .	20
12	CDEP "Report SB" . . . . .	21
13	Extract Records and Determine Off-Equipment Requirements . .	26
14	Seymour Johnson Best-Guess Directives . . . . .	27
15	Seymour Johnson All-Inclusive Directives . . . . .	34
16	Master Off-Equipment AFSC List . . . . .	38
17	Acceptable Off-Equipment AFSCs . . . . .	39
18	Input Data Selection Summary . . . . .	41
19	Sample Seymour Johnson Data Analysis . . . . .	43
20	Create SGM Manpower Inputs . . . . .	46
21	Seymour Johnson Unit Manning Document . . . . .	47
22	On- and Off-Equipment Maintenance Authorizations . . . . .	49
23	Sample Authorizations Listing . . . . .	50
24	Manpower Input File . . . . .	53

VOLUME V  
MAINTENANCE SUBSYSTEM

## MAINTENANCE SUBSYSTEM DESCRIPTION

### INTRODUCTION

The maintenance subsystem estimates the maintenance manpower and performance input parameters for the queuing model that is embedded in the Sortie-Generation Model (SGM) System. This subsystem estimates the failure rate, service rate, and number of servers for each work center in a maintenance organization.

Estimation of the queuing model's input parameters is difficult because of the manner in which Air Force maintenance data are collected. Maintenance data collection in the Air Force is job-oriented, hence, task-oriented.<sup>1</sup> Using this orientation, the Air Force maintains records of all work expended against the aircraft and all of its components.

The orientation of the SGM is directed towards unscheduled on-aircraft maintenance in the work center(s).<sup>2</sup> The maintenance subsystem consists of a set of software that estimates: (1) the probability that unscheduled on-aircraft maintenance is required prior to further flight, (2) the time to complete all jobs (each job represents a collection of related tasks) that must be completed by a work center prior to further flight, and (3) the number of maintenance teams (servers) available. In effect, the software system

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<sup>1</sup>A job is a collection of maintenance tasks possessing the same job control number.

<sup>2</sup>A work center, for our purposes, is a collection of individuals with the same skill type. For example, the fuel shop is a work center although the aircraft flight in the Aircraft Generation Squadron is not, even though it has a single work center code. However, the individuals in that aircraft flight possessing the same skill type are a work center.

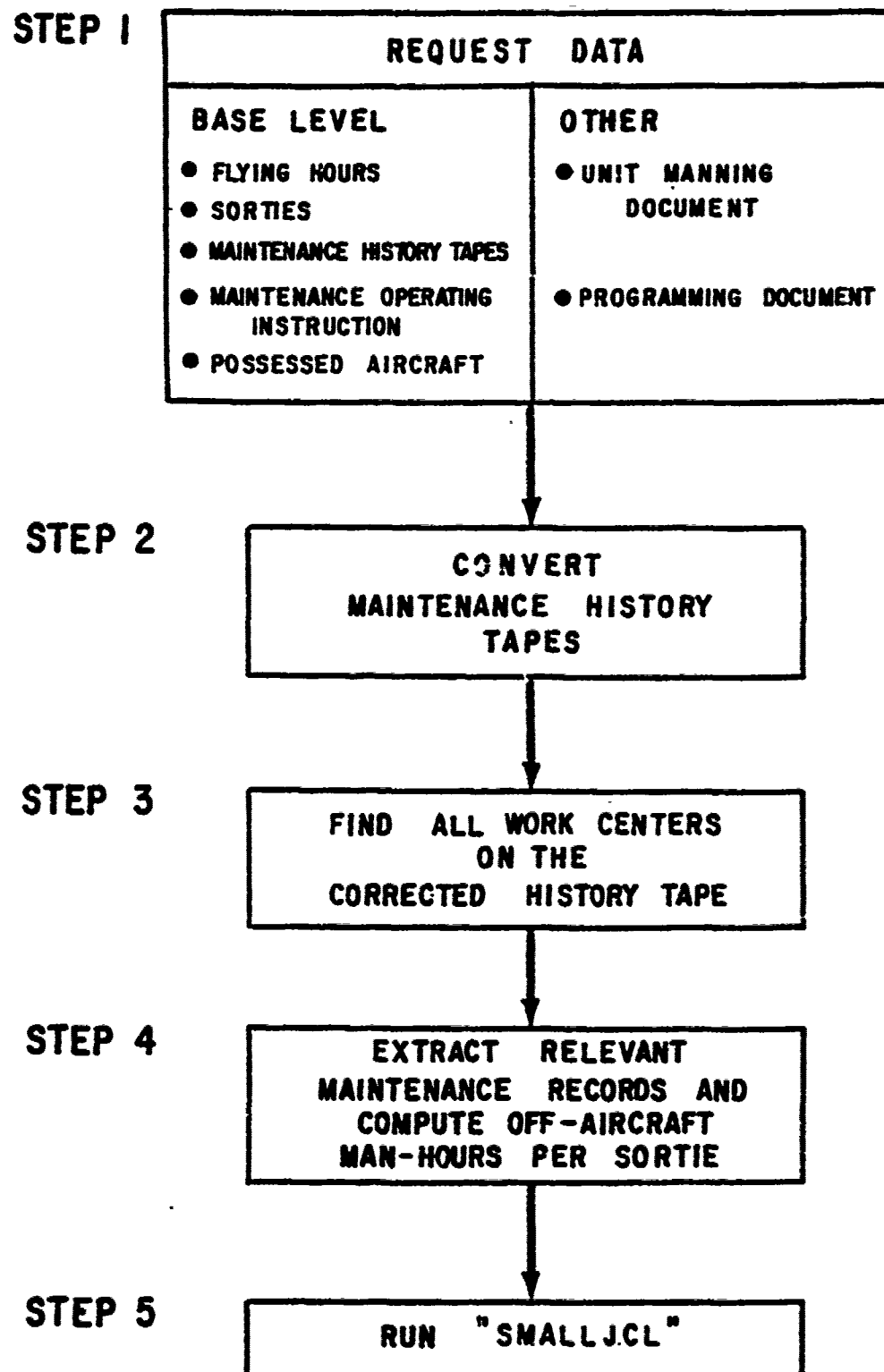
developed by LMI "translates" the Air Force's task data into the LMI work center data.

Construction of the SGM maintenance input files is a five-step process based on an LMI-modified version of the Common Data Extraction Programs (CDEP). CDEP was developed by the Air Force Maintenance, Supply, and Munitions Management Engineering Team (AFMSMET) at Wright-Patterson Air Force Base to help generate data bases for the Logistics Composite Model (LCOM) in a standardized fashion. The applicable CDEP programs are listed and discussed in detail in later sections. The basic data processing sequence is shown in Figure 1. Each step is described below:

- Step 1: Request the base level data. Some of these data must be obtained from the individual bases and some are available from centralized locations.
- Step 2: Convert the maintenance history tapes. This step changes the format of the history tapes obtained from the bases in Step 1 to one that is compatible with the Honeywell System.
- Step 3: Find all work centers or Air Force specialty codes (AFSCs) reported on the history tapes. This provides a check on the base level organization. The work center listing also serves as an excellent aid in determining the work centers to use in the work-center-to-AFSC mappings (used in the Common Data Extraction Programs and discussed later).
- Step 4: Extract unscheduled on-aircraft maintenance records and estimate the off-equipment manhours per sortie. This step actually consists of running the Common Data Extraction and data analysis programs several times. Different work-center-to-AFSC mappings are used until a set that properly represents unscheduled on-aircraft maintenance can be determined.
- Step 5: Create the SGM maintenance input file. By running a JCL stream, several programs are executed that manipulate the records extracted in Step 4. The SGM inputs are computed and made immediately available through this manipulation.

The remainder of this chapter provides a detailed description of the five steps.





**FIGURE 1 SGM MANPOWER DATA PROCESSING SEQUENCE**

## DETAILED SYSTEM DESCRIPTION

### Request Base-Level Data

The first step in production of the maintenance data bases is to request the basic data from the Air Force. This request is made via the Air Staff (LEXY) to the major commands (MAJCOMs), who then direct the bases to forward the required data. Two data elements can be obtained from a central source.

Data obtained from the individual bases are the: aircraft flying hours, number of sorties, number of possessed aircraft, maintenance operating instruction (MOI), and a six-month maintenance history tape (ABD6DA tape). The unit manning and USAF Program Documents are obtained from centralized sources in the Pentagon. Each of the data elements are discussed below in greater detail.

Aircraft Flying Hours. Aircraft flying hours are the number of hours flown by the specified aircraft type at the specified base during the time period covered by the maintenance data. They are used to compute the average sortie length for testing the SGM and its data bases.

Number of Sorties. The number of sorties is the number of sorties flown during the time period to which the maintenance data apply. This number is used with flying hours to estimate the average sortie length, and with the maintenance data to estimate several SGM maintenance input variables.

Base Level History Tape (ABD6DA) Description. In order to develop the sortie-generation model inputs, maintenance data must be collected and analyzed from each base. These data are a primary input to CDEP. A maximum of two years' worth of data can be obtained.

Base maintenance actions are documented on the Maintenance Data Collection Record (AFTO Form 349). These forms are transcribed onto a maintenance history tape that compiles six months of data for all aircraft on the base. Copies of the AFTO Form 349 and the maintenance data collection tape record layout are shown in Figures 2 and 3.

The raw maintenance data are a detailed description (documentation) of the work performed. Of the data contained on the AFTO Form 349 we require the Job Control Number, Work Center, MDS (model, design, and series), Type of Maintenance, Action Taken Code, When Discovered Code, How Malfunction Code, Start and Stop Times, and the Crew Size. These data elements correspond to positions 1,2,4,A,C,D,E,F,H,I, and J, respectively. These data elements (and others) are then transferred to the history tape. Using the history tape, work-center-specific data are extracted by CDEP.

Maintenance Operating Instruction (MOI). The MOI is a base level instruction which specifies the maintenance organization's structure. The MOI also lists work centers and the Air Force Specialty Codes (AFSCs) assigned to each work center; in effect, the MOI describes the relationships between work centers and AFSCs. There are two fundamentally different base maintenance organizational structures in the Air Force: Combat Oriented Maintenance Organization (COMO) and non-COMO. Portions of the MOI for the 4th Tactical Fighter Wing (TFW) stationed at Seymour Johnson AFB (COMO) and the 48th TFW stationed at Lakenheath AB, England (non-COMO) are shown in Figures 4 and 5. It's readily apparent from the MOIs that the two base maintenance concepts and organizational structures are different. The different maintenance concepts are briefly explained in Appendix K. The MOI is used in conjunction with the unit manning document (UMD) to determine the number of individuals assigned to a work center.

MAINTENANCE DATA COLLECTION RECORD														OMB NO. 21-80227			
1. JOB CONTROL NO.		2. WORK CENTER		3. I.D. NO./SERIAL NO.		4. MOS		5. SRD		6. TIME		7. PRI		8. SORTIE NO.		9. LOCATION	
10. ENG. TIME		11. ENGINE I.D.		12. INST ENG TIME		13. INST. ENG. I.D.		14.		15.		16		17. TIME SPC REQ		18. JOB STD.	
19. FSC		20. PART NUMBER				21. SER. NO./OPER. TIME		22. TAG NO.		23. INST. ITEM PART NO.		24. SERIAL NUMBER		25. OPER. TIME			
A	B	C	D	E	F	G	H	I	J	K	L	M	N				
TYPE	COMP	WORK	ACTION	WHEN	HOW	UNITS	START	STOP	CREW	CAT	CMD	SCH	EMPLOYEE				
MAINT	POS	UNIT	TAKEN	DISC	MAL		HOUR	HOUR	SIZE	LAB	ACT	CODE	NUMBER				
1																	
2																	
3																	
4																	
5																	
26. DISCREPANCY																	
27. CORRECTIVE ACTION																	
28. RECORDS ACTION																	

AFTO FORM 349 MAY 75 PREVIOUS EDITION IS OBSOLETE

FIGURE 2. AFTO FORM 349, "MAINTENANCE DATA COLLECTION RECORD"



WORK CENTER LISTINGDEPUTY COMMANDER FOR MAINTENANCE

<u>WORKCENTER</u>	<u>SECTION</u>	<u>MNEMONIC CODE</u>
41000	Deputy Commander for Maintenance	DCMA
41020	Training Management	LGMT
41021	Trainee Holding Workcenter	TRHD*
41100	Quality Assurance	QUAL
41200	Maintenance Control	MACO
41210	Job Control	JOBC
41220	Plans, Scheduling and Documentation	PLAN
41230	Materiel Control	MATC
41600	Maintenance Management Division	MMDV*
41610	Maintenance Analysis Branch	ANAL
41620	Programs and Mobility	PROG
41630	Files Maintenance	FLMT*
41650	Administration	ADMT

AIRCRAFT GENERATION SQUADRON

4G000	Command/Squadron Section/Tech/Admin/Mobility	AGSC
4G001	Projected Gains	GAIA
4G002	Unknown Workcenter	UNKN
4G003	Munitions Staff	ANUM
4G040	Maintenance Supervision/Training	AGSU
4G041	End of Runway	ENDR
4G042	Debriefing	DEBR
4G101	334th Aircraft Maintenance Unit/CTK	ABRA
4G111	334th Aircraft Flight "A"	AACF
4G112	334th Aircraft Flight "B"	ABCF
4G121	334th Specialist Flight	ASPE*
4G131	334th Weapons Flight	AWFL
4G102	335th Aircraft Maintenance Unit/CTK	EBRA
4G113	335th Aircraft Flight "A"	EACF
4G114	335th Aircraft Flight "B"	EBCF
4G122	335th Specialist Flight	ESPE*
4G132	335th Weapons Flight	EWFL
4G103	336th Aircraft Maintenance Unit/CTK	CBRA
4G115	336th Aircraft Flight "A"	CACF
4G116	336th Aircraft Flight "B"	CCCF
4G123	336th Specialist Flight	CSPE*
4G133	336th Weapons Flight	CWFL
4G400	Alert Branch	ALBR
4G300	Support Branch	SUBR
4G301	General Equipment	SUGE
4G302	Avionics Equipment (WCS)	SUWC
4G303	Munitions Equipment	SUME

EQUIPMENT MAINTENANCE SQUADRON

4E000	Commander/Squadron Section/Tech Admin/Mobility	EMSC
4E001	Projected Gains	GAIE
4E002	Unknown Workcenter	UNKE
4E040	Maintenance Supervision/Training	EMSU
4E100	AGE Branch	AGEB
4E101	AGE Production Control	AGPC
4E110	AGE Repair/Inspection	AGRI

FIGURE 4. SEYMOUR JOHNSON MOI

<u>WORKCENTER</u>	<u>SECTION</u>	<u>MEMONIC CODE</u>
4E120	AGE Servicing/Pick-Up/Delivery	AGSE
4E140	Non-Powered AGE	NPAG
4E200	Maintenance Branch	EMBR
4E210	Inspection Section	EMIB
4E211	Inspection Dock 1	EMIC
4E212	Inspection Dock 2	EMID
4E213	Inspection Dock 3	EMIE
4E214	Engine Shop Inspection Section	ESIS
4E220	Corrosion Control	CORR
4E230	Fuel Systems	FUEL
4E240	Repair and Reclamation/Tire Shop/Tow Reel	REPR
4E250	Egress	EGRE
4E260	Transient Alert Branch	TRAN
4E300	Munitions Branch	EMUR
4E310	Munitions Control	EMMC
4E320	Armament Systems	ARMA
4E330	Conventional Munitions Maintenance	COMA
4E350	Missile Maintenance	MISS
4E360	Munitions Storage and Handling	STOR
4E380	Explosive Ordinance Disposal	EXOD
4E3A0	Equipment Maintenance (Trailers)	TRMA
4E3B0	Line Delivery	HAND
4E3C0	Munitions Materiel and Production Section	MAST

COMPONENT REPAIR SQUADRON

4R000	Commander/Squadron Section/Tech Admin/Mobility	CRSC
4R001	Projected Gains	GAIC
4R002	Unknown Workcenter	UNKC
4R040	Maintenance Supervision/Training	CRSU
4R100	Conventional Avionics Branch	CABR
4R110	Communications/Navigation	CCMM
4R120	Instruments/Automatic Flight Controls	INST
4R130	Inertial Navigation System	DOFP
4R140	Photographic	PHOT
4R150	Sensor	SENS
4R160	Electrical Systems	ELEC
4R170	Electronic Counter Measures	ECMS
4R180	Weapons Control System	WCSS
4R181	Radar Calibration	RADR
4R190	Avionics AGE	AAGE
4R200	Propulsion Branch	PRBR
4R210	Jet Engine Shop	JETS
4R220	Test Cell	TEST*
4R300	Accessory Maintenance Branch	ACMB
4R310	Metal Processing	WELD
4R320	Structural Repair	STRU
4R330	Survival Equipment	SURV
4R340	Machine Shop	MACH
4R350	Pneudraulics	PNEU
4R360	Environmental Systems	ENVI
4R370	Non-Destructive Inspection	NDIN
4R500	PMEL Branch	PMEL
4R900	Aircrew Training Devices	ATDB

FIGURE 4. SEYMOUR JOHNSON MOI (CONT'D)

WORK CENTER/MNEMONIC CODES1. Deputy Commander for Maintenance Staff Functions

<u>FUNCTION</u>	<u>WORK CENTER</u>	<u>MNEMONIC</u>
Deputy Commander for Maintenance	B1000	DCMO
Maintenance Management Division	B101M	
Analysis Branch	B1010	
Production Analysis	B1011	ANAE
Deficiency Analysis	B1012	ANAL
Training Management Branch	B1020	DEFA
Development and Applications	B1021	LGMT
Records and Requirements	B1022	
Administration Branch	B1030	
Programs and Mobility	B1040	ADMN
Quality Control	B1100	PROG
Inspection	B1110	QUAL
FCF	B1170	INSP
Maintenance Control	B1200	QFCF
Files Maintenance	B1205	CONT
Job Control	B1210	FILM
Plans and Scheduling	B1220	JOBC
Documentation	B1223	PLNS
Materiel Control	B1230	DOCM
Production Control	B1231	MATC
		PROD

2. 48 Organization Maintenance Squadron

<u>FUNCTION</u>	<u>WORK CENTER</u>	<u>MNEMONIC</u>
OMS Management	B2000	COMS
OMS Supervision	B2001	OSUP
Crew Chief University	B2002	OMSU
Blue Branch Supervision	B2110	BLBR
Blue Section	B2111	BLUE
Yellow Branch Supervision	B2120	YEBR
Yellow Section	B2121	YELL
Red Branch Supervision	B2130	REBR
Red Section	B2131	REDD
Green Branch Supervision	B2140	GRBR
Green Section	B2141	GREN
Inspection Branch Supervision	B2200	INBR
Phase Dock 1	B2211	PHD1
Phase Dock 2	B2212	PHD2
Phase Dock 3	B2213	PHD3
Support Branch Supervision	B2300	SPBR
Equipment Section	B2301	EQSC
Tank Farm/780 Section	B2320	T780
Alert Force Branch	B2400	VCTR
Transient Maintenance	B2520	TRAN

3. 48 Field Maintenance Squadron

<u>FUNCTION</u>	<u>WORK CENTER</u>	<u>MNEMONIC</u>
FMS Management	B3000	CFMS
FMS Supervision	B3001	FSUP
Fabrication Branch	B3100	FABR
Machine Shop	B3110	MACH
Metal Processing	B3120	WELD
Structural Repair	B3130	SMTL
Corrosion Control	B3140	CORR
Parachute Shop	B3151	PARA
Non Destructive Inspection	B3170	NDIS
Propulsion Branch	B3200	PRBR
Non-Powered AGE	B3230	TFNP
Material Support	B3231	TFMS
Accessory Repair	B3232	TFAS
Flightline Dispatch	B3233	TFFL
Jet Engine	B3234	TF30
Test Cell	B3236	TFIC

FIGURE 5. LAKENHEATH MOI



<u>FUNCTION</u>	<u>WORK CENTER</u>	<u>MNEMONIC</u>
Aerospace System Branch	83300	ARBR
Repair & Reclamation/Wheel & Tire	83310	REPR
Fuel Shop	83320	FUEL
WRM Tank Farm	83321	WRMT
Electric Shop	83330	ELEC
Pneudraulic Shop	83340	HYDR
Environmental Systems	83360	ENVR
Egress Shop	83390	EGRS
AGE Supervision	83400	AGBR
AGE Repair/Inspection	83410	AGER
AGE Servicing	83420	AGES
AGE Pickup/Delivery	83425	AGEP
Non-Powered AGE	83430	SPAG
4. <u>48 Avionics Maintenance Squadron</u>		

<u>FUNCTION</u>	<u>WORK CENTER</u>	<u>MNEMONIC</u>
AMS Management	84000	CAMS
AMS Supervision	84001	ASUP
Pave Tack Flightline	84350	PAVF
Foto	84340	FOTO
Avionics Analysis	84002	AANL
Avionics Flightline Branch and Tool Crib	84100	AVFL
AMS Yellow Section	8410Y	YELA
Automatic Flt Control	8420Y	YAFC
Bomb Nav	8436Y	YWCS
Comm Nav/Pen Aids	8437Y	YCNV
AMS Green Section	8410G	GRNA
Automatic Flt Control	8420G	GAFC
Bomb Nav	8436G	GWCS
Comm Nav/Pen Aids	8437G	GCNV
AMS Blue Section	8410B	BLUA
Automatic Flt Control	8420B	BAFC
Bomb Nav	8436B	BWCS
Comm Nav/Pen Aids	8437B	BCNV
AMS Red Section	8410R	REDA
Automatic Flt Control	8420R	RAFC
Bomb Nav	8436R	RWCS
Comm Nav/Pen Aids	8437R	RCNV
PMEL Branch	84500	PMBR
PMEL Lab	84501	PMEL
On Site Calibration	84502	
Field Calibration Unit	84503	
Avionics Shop Maint Branch	84600	ASBR
Auto Test Station	84620	ASXA
Manual Test Station	84630	ASXB
Pen Aids Test Station	84631	PATS
Pave Tack Test Station	84660	PAVT
Air Training Devices Branch	84900	TRNB
Air Training Devices	84901	TRND
5. <u>48 Munitions Maintenance Branch</u>		

<u>FUNCTION</u>	<u>WORK CENTER</u>	<u>MNEMONIC</u>
Munitions Management	85000	CMMS
AFK Supply	85001	AFKS
Loading Standardization	85003	STND
Munitions Services Branch	85100	SVBR
Alternate Mission Equipment	85101	AMEX
Weapons Loading	85110	LOAD
Sculthorpe Support	85115	SCUL
Weapons Release	85120	RELS
Gun Services	85130	GUNS
Maintenance and Storage Supervision	85200	MNBR
MR Maintenance	85210	MUCM
Storage and Handling	85220	STOR
Storage & Handling (Mildenhall)	85221	STOM
Munitions Maintenance Conventional	85230	CONV
Inspection	85250	CHEK
Equipment Maintenance	85500	MAGE

FIGURE 5. LAKENHEATH MOI (CONT'D)

Possessed Aircraft. Possessed aircraft are the number of aircraft possessed by the wing (or squadron). Possessed aircraft are compared to the Primary Authorized Aircraft (PAA) strength obtained from the USAF Program Document (discussed later). Comparing the two figures provides a check on the PAA strength.

Unit Manning Document. The UMD lists the personnel authorizations for each Air Force base. Current and future authorizations are available. Future authorizations are subject to considerable uncertainty because of uncertainty in Air Force funding levels, aircraft procurement quantities, and aircraft locations.

For the maintenance wing the UMD lists, according to the organizational structure, each AFSC and the number of authorized positions of that AFSC. A portion of the UMD for Seymour Johnson AFB is shown in Figure 6.

USAF Programming Document (PD). Contained in the PD is the worldwide distribution of aircraft. Specifically, the PD gives current and future authorized PAA strengths by model, design, and series (MDS) for each base. The aircrafts' owning commands are also specified.

The PD is used to determine the bases of interest and the PAA strength at those bases. Included in the active forces are aircraft assigned to TAC, PACAF, USAFE, and the AAC.

#### Convert Base-Level Tapes

Arrival of the maintenance history tapes takes several weeks to several months. Two to three tapes are normally received from each base; however, they are in a format (Burroughs) which can not be used on the computer system (Honeywell). A standard system software package, ZAT1FO, solves this problem by converting the Burroughs format to Honeywell System Standard format.

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MANPOWER INQUIRY AS OF SEP 80 PART A FILE

RUN DATE 9/ 3/81

F I L E	B A S E	N A M E	NUM	ORG	ORG	KIND	TITLE	OP	DET	RY	ORG	OPER	LOCN	ORGST	FUNC	CODE	AFSC+S	P	R	1/81	2/81	3/81	4/81
A SEYMOUR JOHNSON	(1)			(2)	AIRCRAFT GENERAT	(3)		(4)						(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AA		2000	27128A	04016	A	LTC				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AA		2000	27128A	43151		MSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AA		2000	27128A	43171		MSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AA							0	3	3	3
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	07024	A	OPT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	10090		SMS				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	70230C		AIC				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	70250C		SGT	2	2	2	2
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	70250C		SGT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	70270C		TSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	99007		SGT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ		2000	27128A	99007		SGT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	AZ							9	9	9	9
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	04016		MAJ				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	43151		SGT	3	3	3	3
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	43171		MSG	2	2	2	2
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	43171		TSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	43200		CMS				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	48200		CMS				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	70230B		AIC				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	70250B		SGT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	70250B		SGT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA		2000	27128A	70270B		TSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SA							10	13	13	13
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAA		2000	27128A	46230D		AIC	3	3	3	3
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAA		2000	27128A	46250		SGT	6	6	6	6
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAA		2000	27128A	46250		SGT	6	6	6	6
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAA		2000	27128A	46270		MSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAA		2000	27128A	46270		TSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAA							17	17	17	17
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	04024		CPT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	04054A		CPT				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	32172Q		MSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	43131C		AIC	2	2	2	2
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	43151		SGT	2	2	2	2
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	43151		SGT	4	4	4	4
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	43171		MSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	43171		TSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	43199		SMS				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	43200		CMS				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	64570		TSG				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	70230B		AIC				
A SEYMOUR JOHNSON			0004		AIRCRAFT GENERAT			SQ	0000	0000	0000	0000	SAC		2010	27128A	70250B		SGT				

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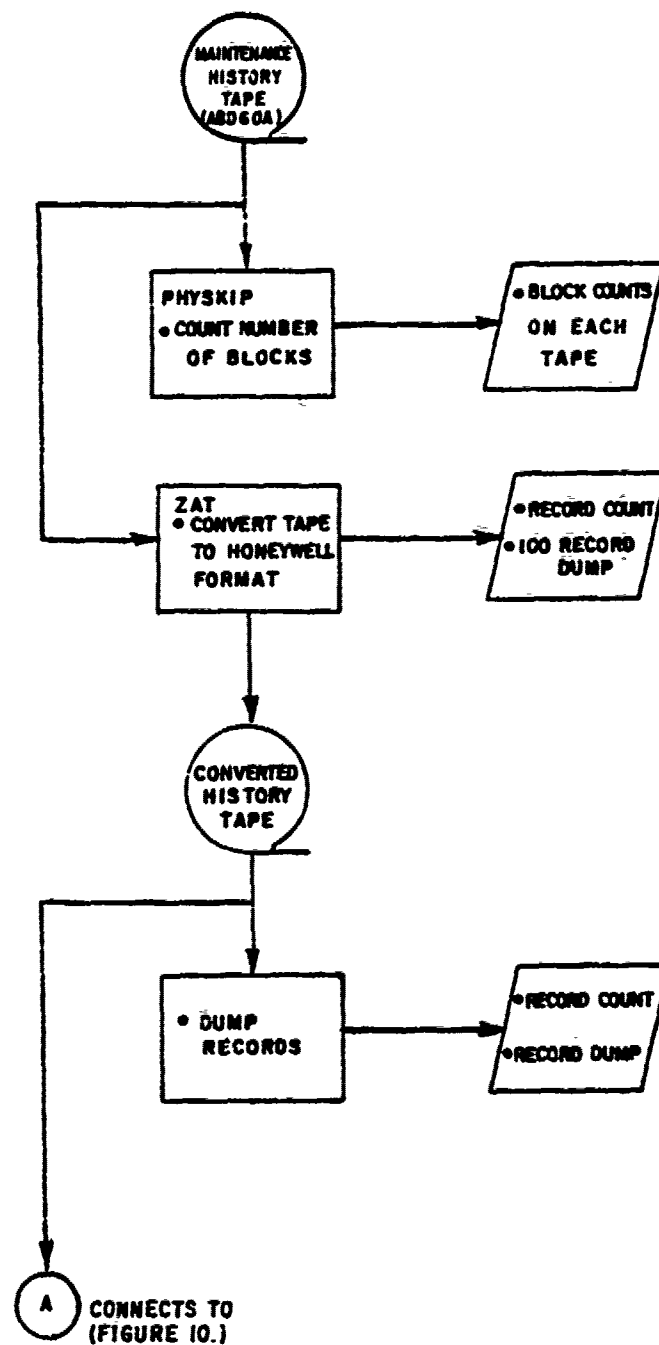
FIGURE 6. SEYMOUR JOHNSON UNIT MANNING DOCUMENT

Conversion of the tapes is a three-step process that keeps track of the number of records (and blocks) on the input and output reels. This insures that no records are lost. JCL and run instructions for the three system routines are listed in Appendix A. A detailed flowchart of the conversion process is shown in Figure 7; it should be referred to during the following discussion.

The first step of the conversion process counts the number of blocks on each input reel. The system routine, PHYSKIP, performs this task. A sample output of this routine for the three reels of tape received from Seymour Johnson AFB is shown in Figure 8. The tapes from Seymour Johnson contain 25,593 blocks (10,752, 10,618, and 4,223). Each block contains ten records, except for the last block on the third reel which contains between one and ten records. Multiplying the block count by ten gives the number of records (within nine) on the tapes.

Step two converts the input reels to the Honeywell format, counts the number of records converted, and prints the first 100 records of the new tape. The system routine, ZAT1FO, performs these tasks.

A sample ZAT1FO run for the three Seymour Johnson tapes is shown in Figure 9. Comparison with the record count from the PHYSKIP shows a difference of two records (255,930 for the SKIP versus 255,928 for the ZAT). The difference occurs because the last block of the third tape contains only eight records. This indicates that all records on the tapes were successfully converted. Another indication that the ZAT functioned correctly may be inferred from the beginning and ending labels that are printed from each reel of tape. There are six labels for the Seymour Johnson tapes; they are also shown in Figure 9.



**FIGURE 7. CONVERT BASE-LEVEL TAPES**

7429U 01 08/04/80 UTILITY REPORT 731111 PAGE 1

\$ FFILE AA,PHYREC  
\$ QUTIL ASIS,TERM  
\$ FUTIL AA,,SKIP/1F/,HOLD/AA/  
FILE CODE AA SKIPPED 1 FILES. 1 RECORDS IN LAST FILE

\$ FUTIL AA,,SKIP/1F/,HOLD/AA/  
FILE CODE AA SKIPPED 1 FILES. 10752 RECORDS IN LAST FILE

} REEL 1  
BLOCK  
COUNT

\$ FUTIL AA,,SKIP/1F/,REW/AA/  
FILE CODE AA SKIPPED 1 FILES. 1 RECORDS IN LAST FILE

7433U 01 08/04/80 UTILITY REPORT 731111 PAGE 1

\$ FFILE AA,PHYREC  
\$ QUTIL ASIS,TERM  
\$ FUTIL AA,,SKIP/1F/,HOLD/AA/  
FILE CODE AA SKIPPED 1 FILES. 1 RECORDS IN LAST FILE

\$ FUTIL AA,,SKIP/1F/,HOLD/AA/  
FILE- 2 BLOCK 3397 FILE CODE AA NONRECOVER. PARITY ERROR

FILE- 2 BLOCK 3398 FILE CODE AA NONRECOVER. PARITY ERROR

FILE- 2 BLOCK 3399 FILE CODE AA NONRECOVER. PARITY ERROR

} REEL 2  
BLOCK  
COUNT

FILE- 2 BLOCK 3400 FILE CODE AA NONRECOVER. PARITY ERROR

FILE CODE AA SKIPPED 1 FILES. 10618 RECORDS IN LAST FILE

\$ FUTIL AA,,SKIP/1F/,REW/AA/  
FILE CODE AA SKIPPED 1 FILES. 1 RECORDS IN LAST FILE

7437U 01 08/04/80 UTILITY REPORT 731111 PAGE 1

\$ FFILE AA,PHYREC  
\$ QUTIL ASIS,TERM  
\$ FUTIL AA,,SKIP/1F/,HOLD/AA/  
FILE CODE AA SKIPPED 1 FILES. 1 RECORDS IN LAST FILE

\$ FUTIL AA,,SKIP/1F/,HOLD/AA/  
FILE CODE AA SKIPPED 1 FILES. 4223 RECORDS IN LAST FILE

} REEL 3  
BLOCK  
COUNT

\$ FUTIL AA,,SKIP/1F/,REW/AA/  
FILE CODE AA SKIPPED 1 FILES. 1 RECORDS IN LAST FILE

FIGURE 8. SEYMOUR JOHNSON PHYSKIPS

OPERATOR STARTED WITH #20641 FOR FILE CODE F2 GE 600 BTL AFDSC 20641 20641 0001 80217 000  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+<.....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+<.....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+<.....  
 OPERATOR ENTERED # 20441 FOR FILE CODE F2 SEQ # 002 OUTPUT.....  
 OPERATOR CONTINUED WITH #20441 FOR FILE CODE F2 GE 600 BTL AFDSC 20441 20641 0002 80217 000  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+<.....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+<.....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+<.....  
 INPUT BLOCKS - 025593 OUTPUT RECORDS - 255928 ERROR COUNT - 000000

\* NORMAL TERMINATION AT 000142 I=4020 SW=00000000000000

\* JOB LIMIT EXCEEDED, ENDJOB

START	STOP	SWAP	LAPSE	20.601	22.029	0.149	1.428	FC	D	TYPE	BUSY	IP/AT	FP/RT	IS/#G	MS/#E	TU	5	MEMORY	10K
				LINES	LIMIT	1024	1024									CU	35	M*T	50776
I*	R	D191	*	12							1	1	1	1		0-08-01			
R*	R	D191	*	20							0	0	1	1		0-08-01			
LA	R	D191	P	1508							0	0	146	146		0-08-13			
F1	D	TAP9		592467							0/00	0/00	25630	2		0-16-07		#T-30	
F2	D	TAP9		477478							0/00	0/00	23448	0		0-16-06		#20641	
P*		SYOUT																	
I*	R	D191	*	423							0	0	624	624R		0-08-02			

LIST 105 LINES AT STA. XI.

PROCESSOR	I/O	CORE	TOTAL
\$ 9.25	\$ 16.93	\$ 4.65	\$ 30.83

SNUMB = 2636U, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000105

FIGURE 9. SAMPLE ZAT1FO OUTPUT

Occasionally a bad block is encountered; i.e., a block that cannot be converted into the Honeywell format. The block number(s) is printed when this occurs. If fewer than five bad blocks are encountered during conversion it usually is not worth re-running the ZAT. Computation of the number of records that should have been converted is done by subtracting ten from the total record count (from the PHYSKIP) for each bad block. The new total can then be compared with the number of records converted by ZAT1F0.

Step three checks the output tapes of ZAT1F0 by printing the first 100 records, skipping through the output reels, and printing the total number of records on the output reels. This total should agree with the total number of records converted by ZAT1F0. If not, the dump and conversion should be re-run.

#### Find All Work Centers

Before work center data can be extracted from the maintenance history tape an accurate determination must be made of the work centers against which work has been charged. These work centers and their respective AFSCs should be listed on the MOI; however, changes in the MOI occur over time and sometimes it is in error. Determination of the work centers actually used requires running two CDEP programs using a special set of CDEP instructions (for the first program). The processing sequence for finding all work centers is shown in Figure 10.

The two CDEP programs used to find all work centers listed on the history tapes are the SELECTION and SELECTION REPORTS programs. The Selection program selects or rejects records from the maintenance history tape based on user-supplied instructions. Rejected records are given a "reject reason code" which is analyzed in the Selection Reports Program. One of these reason codes is for work centers not included in the acceptable list. By having an empty



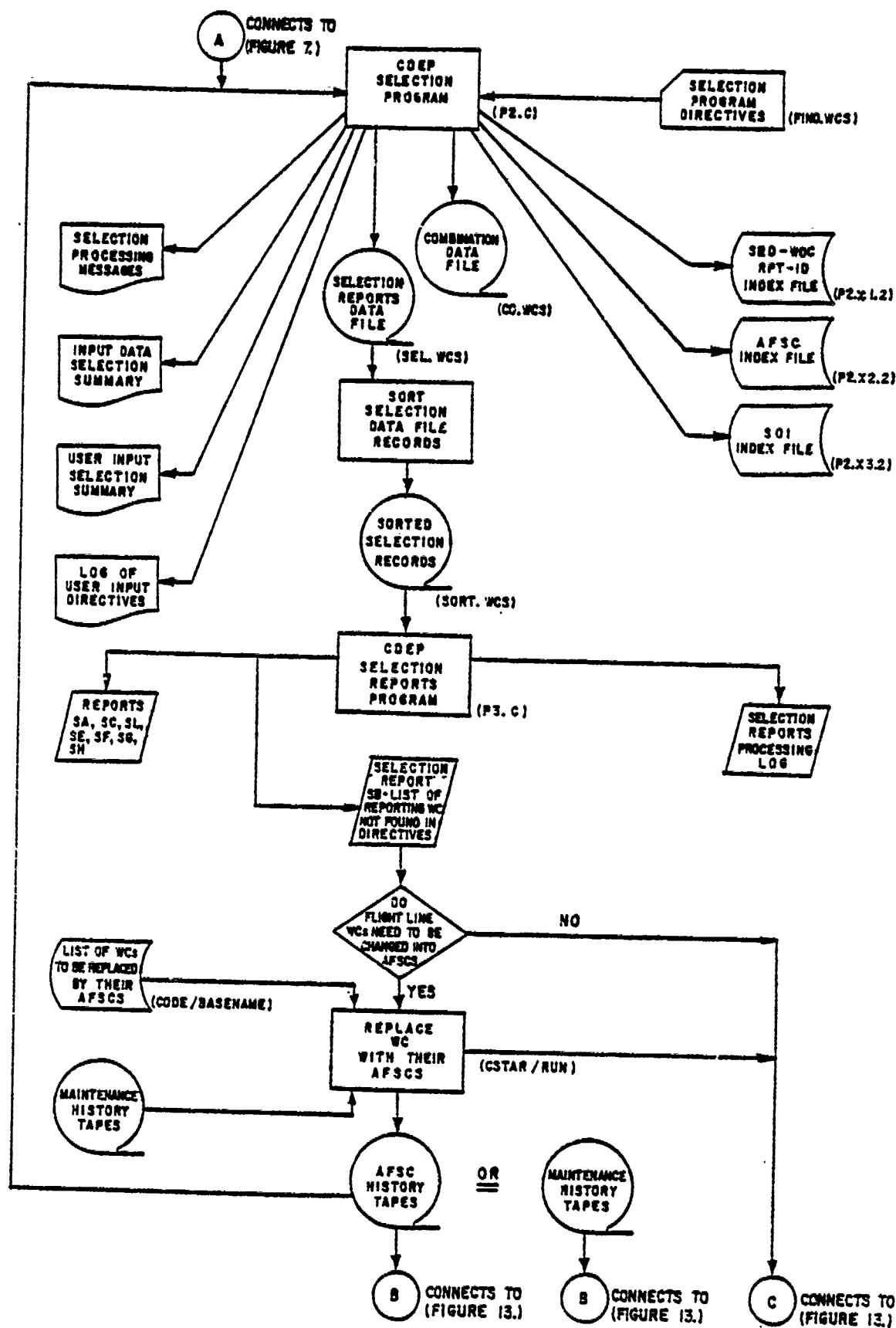


FIGURE 10. FIND ALL WORK CENTERS PROCESSING SEQUENCE

acceptable work center list all records are rejected for this reason and appear on the "SB" report (Reporting Work Centers Not Found in Work-Center-to-AFSC List). The special CDEP instructions and a sample "SB" report for Seymour Johnson AFB are shown in Figures 11 and 12; JCL for running these programs are in Appendix B.

```
1000 REPORT GROUP,TITLE,FIND ALL WCS
1010 SORTIES,16862
1020 REPORT,C2
1030 SRD,AFT
1040 WDC,A
1050 REPORT,C2
1060 SRD,XFH
1070 WDC,A
1080 REPORT,C4
1090 SRD,AFT,XFH
1100 WDC,A
1110 WORKCENTERS TO AFSCS
1120 DUMMY,DUMMY
1130 END
1140 REPORT,SC,SUPPRESS,REPORT
```

FIGURE 11. CDEP INSTRUCTIONS TO REJECT ALL WORKCENTERS (OR AFSCs)

Examination of the "SB" report shows each reporting work center on the maintenance history tape and the number of manhours and units of work reported against it. Using this report gives one some intuition about the error in recording the work center code and for the proper work center to include in the acceptable set (discussed in a later section).

Procedures for documenting maintenance for work centers in the aircraft generation squadron (AGS) have been recently changed. This change significantly affects our selection and analysis of a base's maintenance data. Prior to the change, each skill type (AFSC) in the AGS, in each aircraft maintenance unit, had its own work center code. Individualized work center

REPORT SB CDEP STANDARD H.I.S. VERSION 1.1 *** SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA ***							REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST REPORT GROUP TITLE FIND ALL NCS		PAGE 1	
WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS			
41100	145	145	32.5	41220	1471	0	0.0			
49006	2	2	3.7	49210	1	0	7.0			
4E110	2	2	3.0	4E120	7	32	38.3			
4E121	9	8	50.7	4E122	3	3	2.8			
4E123	1	1	4.3	4E130	3	3	5.3			
4E131	1	1	2.0	4E132	1	1	2.0			
4F210	5256	764	12825.4	4E212	1	1	4.0			
4F214	992	388	5300.8	4E220	834	704	5332.9			
4F230	1383	977	11755.8	4E231	9	9	43.7			
4E232	4	4	4.1	4E233	3	3	11.3			
4E240	2311	2273	18789.1	4E250	5946	6801	17358.7			
4E254	1	1	4.0	4E260	715	6596	1264.5			
4E310	8	4	48.2	4E320	3891	2157	28461.5			
4E330	2	1	16.0	4E331	6	6	18.5			
4E333	5	5	10.5	4E340	4	2	33.0			
4E341	5	5	21.4	4E342	11	11	28.6			
4E344	19	19	59.6	4E350	13	18	35.5			
4E360	4	4	20.0	4E361	5	5	9.5			
4E362	8	8	12.9	4E370	6	1	7.4			
4F390	2	2	4.0	4E121	2	1	4.0			
4F122	1	1	2.0	4G111	1957	1695	2236.6			
4G112	1482	1356	1451.8	4G113	1299	1289	1534.8			
4G114	1528	1468	1662.7	4G115	2059	1977	2041.2			
4G116	1495	1403	1403.9	4G120	10	10	20.7			

FIGURE 12. CDEP "REPORT SB"

REPORT SB		REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST				PAGE 2	
CDEP STANDARD H.I.S. VERSION 1.1		REPORT GROUP TITLE FIND ALL MCS					
		*** SEE USER INPUT SELECTION SUMMARY REPORT 301 FOR SELECTION CRITERIA ***					
WORKCENTER	NDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	NDC RECORDS	TOTAL UNITS	MANHOURS
4G121	5452	5623	15657.4	4G122	8517	8484	27162.2
4G123	10340	10189	35327.1	4G124	3	3	4.0
4G125	2	2	1.5	4G130	4	4	24.0
4G131	245	276	996.1	4G132	1431	1559	6000.5
4G133	341	334	3001.5	4G134	1	1	7.0
4G310	22	22	81.0	4G312	4	3	20.0
4G320	22	21	109.4	4G321	2	2	8.0
4G330	1	1	2.0	4G332	2	2	3.0
4G340	2	2	2.5	4G341	2	2	2.9
4G343	3	3	5.5	4G350	1	0	2.0
4G360	2	2	6.0	4G361	2	2	3.8
4G398	27	48	51.3	4R110	2301	2018	5687.3
4R111	1	1	2.0	4R112	5	5	17.8
4R114	3	3	3.3	4R120	1784	1294	5161.6
4R121	2	2	3.0	4R122	6	5	35.3
4R123	12	12	31.9	4R130	2280	2056	4788.6
4R132	0	0	12.0	4R140	212	134	506.7
4R150	230	185	1080.2	4R160	1363	1027	2405.3
4R170	2584	2773	10339.8	4R171	2	2	13.5
4R173	0	4	10.5	4R180	3040	2726	11950.3
4R181	2387	1373	11110.3	4R190	2	2	6.3
4R210	2911	2272	22952.8	4R220	562	507	2443.8
4R230	9	7	123.5	4R240	8	12	45.5
4R250	0	8	8.0	4R310	597	1143	1370.8

FIGURE 12. CDEP "REPORT SB" (CONT'D)

REPORT SB  
CODEP STANDARD H.I.S. VERSION 1.1  
REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TD-AFSC LIST  
\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT 50 FOR SELECTION CRITERIA \*\*\*

WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
4R320	3064	2887	9585.9	4R330	218	389	402.1
4R340	879	1315	3503.2	4R350	1087	1139	3051.6
4R360	584	436	1745.8	4R370	1637	8641	4356.3
JE210	1	0	6.0	JE320	3	1	24.0
JG123	2	2	25.0	JR130	1	1	8.0

PAGE 3

FIGURE 12. CODEP "REPORT SB" (CONT'D)

coding in the AGS allowed easy selection of work based on the skill (WC-AFSC combination) of the individual. The new data processing procedures record one work center type for flight-line maintenance regardless of skill type; fortunately, the AFSC is recorded elsewhere on the maintenance record.

We move the AFSC back into the work center position by creating a new maintenance history tape in order to continue using CDEP without making extensive modifications.<sup>3</sup> The Selection and Selection Reports programs which do this are listed in Appendix G. The FORTRAN program that moves the AFSCs back into the work center position for the flight line work center codes is listed in Appendix B along with its JCL and running instructions.

#### Extract Records and Determine Off-Equipment Requirements

The Common Data Extraction Programs are used to extract maintenance data from the six-month maintenance history tape. Data extraction is governed by user-specified "CDEP directives." These directives, through specification of the aircraft type(s), engine type(s), type(s) of maintenance, when discovered code(s), and relevant work centers, dictate the records selected by CDEP for later processing. A different set of directives must be constructed for each base - aircraft type (MDS) combination; however, the primary difference among directives is the set of acceptable work centers.

Because the SGM's focus is on unscheduled on-aircraft maintenance, the maintenance data for work centers performing this type of work must be extracted from the history tape. However, this set of work centers is not known when the directives are initially constructed. A five-step approach to determining the work centers that perform unscheduled on-aircraft maintenance

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<sup>3</sup>CDEP is being modified by the Air Force Management Engineering Team to allow record selection based on work-center-AFSC combinations. This CDEP modification will eliminate the need for creating a new history tape with the work center codes replaced by the performing AFSC.

is outlined below. This approach enables us to make a "best guess" at the unscheduled on-aircraft work center list, check it, and estimate the off-equipment maintenance requirements in two CDEP runs. It is usually possible to get the "best-guess" list right on the first try with a little bit of experience. All processing is done by running a single JCL stream. This JCL and a sample run for Seymour Johnson AFB are shown in Appendix B. The reader should refer to Figure 13 to follow the processing sequence.

The five steps are:

1. Construct best-guess directives,
2. Construct all-inclusive directives,
3. Construct off-equipment work center lists,
4. Run CDEP (twice) and the maintenance analyzer, and
5. Modify step one directives, if necessary.

An output tape from step one is used as input to SMALLJCL (the program that generates SGM manpower inputs) after the final best-guess directives have been determined.

Step 1: Construct Best-Guess Directives. Users of CDEP build base-specific directives to select unscheduled on-aircraft maintenance. These directives specify the record types (maintenance actions) to extract from the maintenance history tapes. Described in this section are the procedures for building the best-guess set of directives; an example best guess for Seymour Johnson AFB is shown in Figure 14.

The CDEP selection program directives consist of two sections delineated by their frequency of change; that is, the work-center-to-AFSC mapping (lines 170-810) changes completely for each base, while lines 100-160 are fairly standard. Lines 100-160 specify the base, number of sorties, CDEP

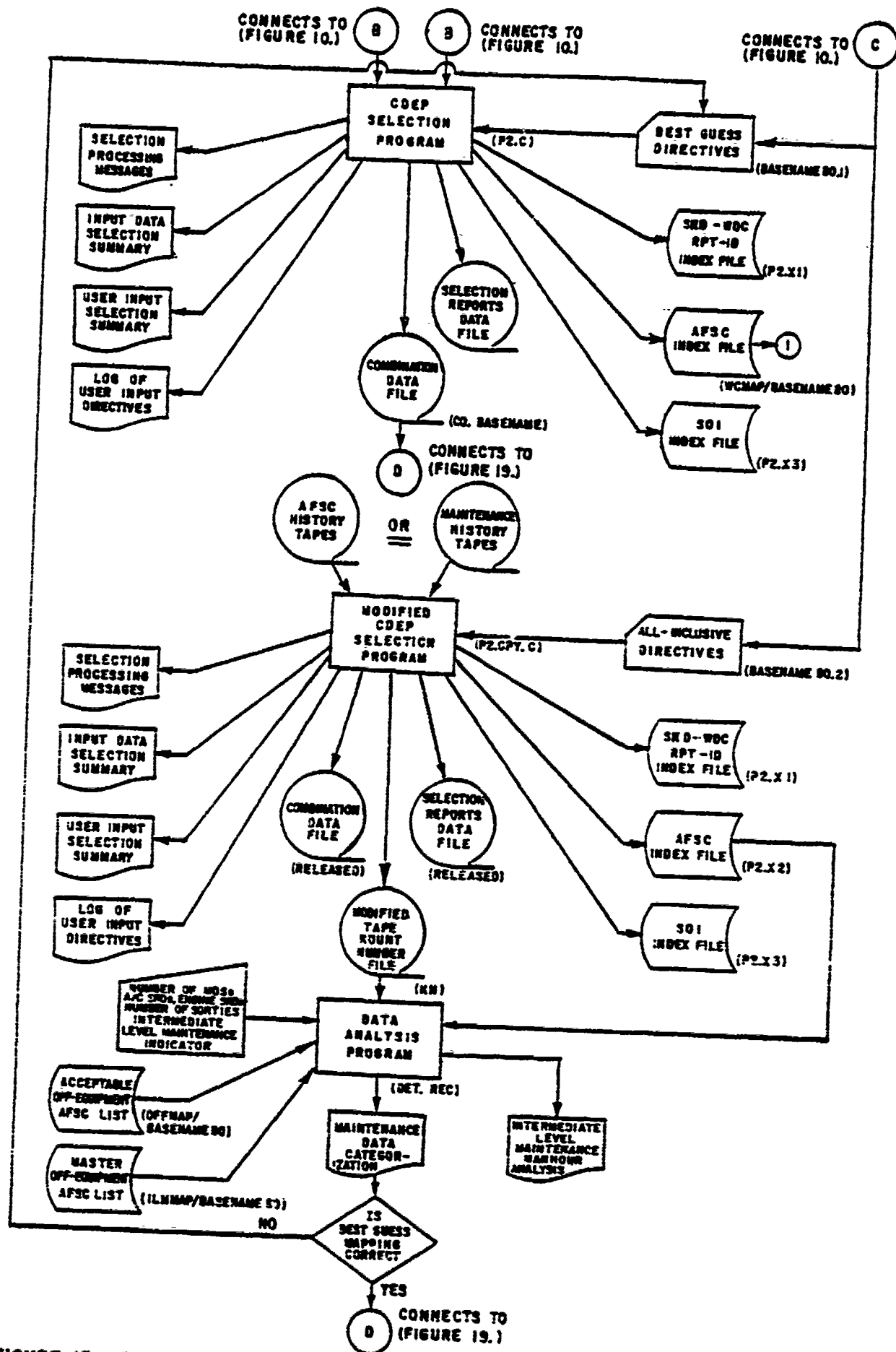


FIGURE 13. EXTRACT RECORD AND DETERMINE OFF-EQUIPMENT REQUIREMENTS



100 REPORT GROUP, TITLE, SEYMOUR-JOHNSON-AFB  
 110 SORTIES-7689  
 120 REPORT, C2  
 130 SRD, AFT  
 140 WDC, A, C, D, E, F, H, J, K, N, P, Q, R, V, 2, NAME, ON AIRCRAFT MTN  
 150 CATEGORY OF LABOR, 1, 2, 3, 4, 5, 6  
 160 TYPE MAINTENANCE CODES, B, C, D, J, S  
 170 WORKCENTERS TO AFSCS  
 180 4E230, 423E3, FUEL SYSTEM  
 190 4E240, 431E1, REPAIR & RECLAM.  
 200 4E250, 423E2, EGRESS  
 210 4G111, 431X1, 334 A/C FLT "A"  
 220 4G112, 431X1, 334 A/C FLT "B"  
 230 4G113, 431X1, 335 A/C FLT "A"  
 240 4G114, 431X1, 335 A/C FLT "B"  
 250 4G115, 431X1, 336 A/C FLT "A"  
 260 4G116, 431X1, 336 A/C FLT "B"  
 270 426A2, 426X2, 334 SPEC FLT "A"--ENGINES  
 280 426B2, 426X2, 335 SPEC FLT "B"--ENGINES  
 290 426C2, 426X2, 336 SPEC FLT "C"--ENGINES  
 300 423A0, 423X0, 334 SPEC FLT "A"--ELECTRICAL  
 310 423B0, 423X0, 335 SPEC FLT "B"--ELECTRICAL  
 320 423C0, 423X0, 336 SPEC FLT "C"--ELECTRICAL  
 330 423A4, 423X4, 334 SPEC FLT "A"--PNEUDRAULICS  
 340 423B4, 423X4, 335 SPEC FLT "B"--PNEUDRAULICS  
 350 423C4, 423X4, 336 SPEC FLT "C"--PNEUDRAULICS  
 360 423A1, 423X1, 334 SPEC FLT "A"--ENVIRONMENTAL  
 370 423B1, 423X1, 335 SPEC FLT "B"--ENVIRONMENTAL  
 380 423C1, 423X1, 336 SPEC FLT "C"--ENVIRONMENTAL  
 390 328A0, 328X0, 334 SPEC FLT "A"--COMMUNICATIONS  
 400 328B0, 328X0, 335 SPEC FLT "B"--COMMUNICATIONS  
 410 328C0, 328X0, 336 SPEC FLT "C"--COMMUNICATIONS  
 420 328A1, 328X0, 334 SPEC FLT "A"--NAVIGATION  
 430 328B1, 328X0, 335 SPEC FLT "B"--NAVIGATION  
 440 328C1, 328X0, 336 SPEC FLT "C"--NAVIGATION  
 450 328A4, 328X4, 334 SPEC FLT "A"--INERTIAL NAVIGATION  
 460 328B4, 328X4, 335 SPEC FLT "B"--INERTIAL NAVIGATION  
 470 328C4, 328X4, 336 SPEC FLT "C"--INERTIAL NAVIGATION  
 480 325A0, 325X0, 334 SPEC FLT "A"--AUTOPILOT  
 490 325B0, 325X0, 335 SPEC FLT "B"--AUTOPILOT  
 500 325C0, 325X0, 336 SPEC FLT "C"--AUTOPILOT  
 510 325A1, 325X0, 334 SPEC FLT "A"--INSTRUMENTS  
 520 325B1, 325X0, 335 SPEC FLT "B"--INSTRUMENTS  
 530 325C1, 325X0, 336 SPEC FLT "C"--INSTRUMENTS  
 540 321A2, 321X2, 334 SPEC FLT "A"--WEAPONS CONTROL  
 550 321B2, 321X2, 335 SPEC FLT "B"--WEAPONS CONTROL  
 560 321C2, 321X2, 336 SPEC FLT "C"--WEAPONS CONTROL  
 570 404A1, 404X1, 334 SPEC FLT "A"--PHOTO  
 580 404B1, 404X1, 335 SPEC FLT "B"--PHOTO  
 590 404C1, 404X1, 336 SPEC FLT "C"--PHOTO  
 600 322A2, 404X1, 334 SPEC FLT "A"--SENSOR(322X2 FUNC COMB W 404X1)

FIGURE 14. SEYMOUR JOHNSON BEST-GUESS DIRECTIVES

610 322B2,404X1,	335 SPEC FLT "B"--SENSOR(322X2 FUNC COMB W 404X1)
620 322C2,404X1,	336 SPEC FLT "C"--SENSOR(322X2 FUNC COMB W 404X1)
630 427A5,427X5,	334 SPEC FLT "A"--STRUCTURAL REPAIR
640 427B5,427X5,	335 SPEC FLT "B"--STRUCTURAL REPAIR
650 427C5,427X5,	336 SPEC FLT "C"--STRUCTURAL REPAIR
660 4G131,462X0,	334 WEAPONS FLT
670 4G132,462X0,	335 WEAPONS FLT
680 4G133,462X0,	336 WEAPONS FLT
690 4R110,328X0,	COMM/NAV--328X1
700 4R120,325X0,	AFCS/INSTR--325X1
710 4R130,328X4,	INERTIAL NAVIGATION
720 4R140,404X1,	PHOTO
730 4R150,404X1,	SENSOR(322X2 FUNC COMB W 404X1)
740 4R160,423X0,	ELECTRICAL
750 4R170,328R3,	ELECTRONIC COUNTER MEASURES
760 4R180,321X2,	WCS
770 4R320,427X5,	STRUCTURAL REPAIR
780 4R340,427R0,	MACHINE SHOP
790 4R350,423X4,	PNEUDRAULICS
800 4R360,423X1,	ENVIRONMENTAL
810 END	

\*

FIGURE 14. SEYMOUR JOHNSON BEST-GUESS DIRECTIVES (CONT'D)

report type, aircraft type, acceptable when-discovered codes (WDCs), acceptable labor categories, and acceptable maintenance types. The WDCs, category-of-labor codes, and type-maintenance codes in lines 140, 150, and 160 direct CDEP to select unscheduled maintenance actions. When these codes are combined with report code C2 (line 120), which specifies on-equipment maintenance, CDEP selects unscheduled, on-equipment maintenance actions. Lines 120, 140, 150 and 160 are never changed, regardless of the base or aircraft type. This combination of directives reflects one representation of maintenance in a surge environment.

Lines 100 and 110 identify the base and the number of sorties flown during the time period to which the maintenance data apply. The standard reporting designator (SRD), AFT, in line 130 tells CDEP to select maintenance charged against the F-4E.<sup>4</sup> These lines (100, 110, and 130) are changed for each base and/or aircraft type.

Each base has a unique organizational structure; however, the organizational structures are based on the combat-oriented maintenance organization (COMO) or the standard base maintenance organization. Within either type of maintenance organization the kinds of work centers which perform or would perform unscheduled on-aircraft maintenance in a surge is relatively stable. There are differences among bases in the implementation of the two basic structures depending on mission, but the major difference among bases is in the labeling or work center code assigned to a group of individuals who perform a specified function. The purpose of the base-specific work-center-to-AFSC mappings is to list the work center codes and relate them to a common AFSC or function. This use of the work-center-to-AFSC mappings allows us to

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<sup>4</sup>SRDs are system unique reporting codes and can be found in Technical Order 00-20-2, The Maintenance Data Collection System.

select the types of work centers we want and to assign standard names, via the AFSC, to common functions which have been assigned base-unique work center codes.

Determination of the best-guess set of work centers is largely based on past experience, knowledge of the type of work generally performed by different work centers, the maintenance operating instruction, and the CDEP selection reports program, "Report SB". The MOI and "Report SB" are used to determine the base's work center labeling scheme; "Report SB" serves as a check on the MOI. The work centers in the specialist flight and aircraft flight in the AGS; fuels, repair and reclamation, and egress in the EMS; communications/navigation, automatic flight control/instruments systems, inertial navigation, photo, sensor, electrical, electronic counter-measures, weapons control, structural repair, machine shop, pneudraulics, and environmental shop generally make up the best-guess list of work centers (for the F-4). This list of work centers is checked in step four by a data analysis program which examines all F-4 maintenance records and categorizes them into acceptable (meeting the on-aircraft unscheduled maintenance criteria) or unacceptable states. Examination of the data analysis results provides a check on the best-guess list of acceptable work centers.

The best-guess mapping used for Seymour Johnson AFB is shown in lines 180-800 of Figure 14. Three columns, after the line numbers, make up the mapping. Column one is the work center code indicated on the MOI, except for the specialist flight which is discussed later. The second column is the AFSC that the work center is mapped into; that is, all work recorded against the work center is now counted and analyzed as if it were recorded against the AFSC. Column three is the name of the AFSC.

The work centers listed in column one are generally those listed on the MOI. However, a recent base level reporting change provides for recording a single work center code for all skill types in the specialist flight. Different work center codes are used to differentiate the specialist flights within the AGS.

Differentiation of the AFSCs in each specialist flight is accomplished by modifying the history tape prior to running CDLP with the best-guess list of work centers. The preprocessing step replaces the work center code used to indicate a specialist flight with the AFSC of the individual in the specialist flight. An alphabetic code (A,B,C,. . .) is placed in the fourth position of the AFSC (normally used to identify the individual's skill level) to differentiate among the flights. For example, the 334th Specialist Flight at Seymour Johnson AFB has a work center code of 4G121. This code has been replaced on the tape fed to CDEP with the AFSCs with an "A" in the fourth position. These AFSCs are in lines 270-680 in Figure 14 and are labelled in column three as belonging to the 334th. It is important to differentiate among the specialist flights because they occasionally work on different types of aircraft.

Work centers other than those in the AGS perform unscheduled on-aircraft maintenance. In some cases this type of maintenance is a primary function; in others, the non-AGS work centers provide support to the AGS when needed. In order to represent properly on-aircraft maintenance requirements for a specific skill, it is necessary to capture the unscheduled on-aircraft maintenance performed by the shops.

The work-center-to-AFSC mapping is used to select non-AGS work centers and map them to an AFSC based on their primary function as outlined above. In the first case, the non-AGS work center is represented by its AFSC

with an E or R in the fourth position. The "E" or "R" indicates that the AFSC (work center) belongs to the EMS or CRS, respectively.

If the shop work center provides unscheduled on-aircraft support to the AGS when necessary, this work is counted under the corresponding AGS AFSC. This is done by mapping the shop work center into the AGS AFSC. An "X" is used in the fourth position of the AFSC for these work centers and for the corresponding AGS AFSCs.

Inclusion of work performed by non-AGS personnel with work performed in the AGS affects the number of people considered available to do unscheduled on-aircraft maintenance. This is especially true in the event of a deployment. Our approach to dealing with this issue is discussed later in detail.

Another problem arises because of the inconsistency between AFSCs in two CRS work centers and the corresponding AFSCs in the AGS. In particular, the 325X0/X1 and 328X0/X1 AFSCs in the CRS are each counted as one work center whereas the four AFSCs are separately identified in the AGS. Because the 325X0/X1 and 328X0/X1 AFSCs are each combined into one work center it is impossible to determine the amount of work done by the individual AFSCs. Being unable to discern the difference between work performed by a 325X0 or 325X1 AFSC in the CRS forces us to combine them in the AGS. The CRS work center is then mapped into the pooled AGS AFSCs. Such a combination is shown in lines 480-530 and line 700 in Figure 14. The 328X0 and 328X1 AFSCs are combined in a similar fashion in lines 390-440 and line 690 in Figure 14.

No difficulties are caused by combining the similar AFSCs because (1) the type of work they do is almost the same, (2) a great deal of cross-utilization occurs between the combined AFSCs, and (3) there are indications that the Air Force will soon be combining the AFSCs anyway. Thus, from a practical standpoint the AFSCs are the same.

Step 2: Construct All-Inclusive Directives. The best-guess set of work centers must be checked to insure that all work centers that perform or would perform unscheduled on-aircraft maintenance in a surge environment have been included. Checking the best-guess work centers is done by constructing a set of CDEP directives that includes all possible work centers and all unscheduled maintenance. Using an output tape from CDEP with this second set of directives, a data analysis program is run that categorizes the extracted maintenance data based on several factors. The categorization allows the user to check the types of maintenance performed by each work center and/or AFSC. Additional information on the data analysis is presented in a later section.

Construction of the all-inclusive CDEP directives follows the approach used previously. There are two sections in the directives (see Figure 15) again delineated by their frequency of change. Lines 100-220 remain relatively constant for each base and/or aircraft type. The work-center-to-AFSC mapping is again unique to each base or aircraft type. Because the second set of directives is used to check the first, it is designed to select all unscheduled maintenance reported against the aircraft or its engine(s). Thus, two additional CDEP report types (lines 150-200) are requested: the C4 report is for off-equipment work reported against the aircraft or its engine(s); the C2 report is for on-engine maintenance. The when-discovered code set used for all three report types is all-inclusive, as are the category of labor and type-maintenance code sets.

The purpose of the all-inclusive mapping is to make explicit the type of work performed by each work center or AFSC. By making the type of contribution explicit it is easy to decide whether the work center or AFSC should be included in the best-guess list.

LIST JG05A/CIEP/SEL.PROG/SJ80.2

100 REPORT GROUP, TITLE, S. J. -WC-ALL  
110 SORTIES, 7689  
120 REPORT, C2  
130 SFL, AFT  
140 WDC, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, 2, 4, NAME, WDC. 1  
150 REPORT, C4  
160 SRD, AFT, XFH  
170 WDC, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, 2, 4, NAME, WDC. 2  
180 REPORT, C2  
190 SRD, XFH  
200 WDC, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, 2, 4, NAME, WDC. 3  
210 CATEGORY OF LABOR, 1, 2, 3, 4, 5, 6  
220 TYPE MAINTENANCE CODES, A, B, C, D, E, H, J, P, Q, R, S, T, Y  
230 WORKCENTERS TO AFSCS  
240 4E210, 4E210, INSPECTION SECTION  
250 4E214, 4E214, ENGINE INSPECTION  
260 4E220, 427E1, CORROSION CNTRL  
270 4E230, 423E3, FUEL SYS.  
280 4E240, 431E1, REPAIR & RECLAM.  
290 4E250, 423E2, EGRESS  
300 4E260, 4E260, TRANS. ALERT  
310 4E320, 4E320, ARMAMENT SYS.  
320 4G111, 431G1, 334 A/C FLT "A"  
330 4G112, 431G1, 334 A/C FLT "B"  
340 4G113, 431G1, 335 A/C FLT "A"  
350 4G114, 431G1, 335 A/C FLT "B"  
360 4G115, 431G1, 336 A/C FLT "A"  
370 4G116, 431G1, 336 A/C FLT "B"  
380 426A2, 426G2, 334 SPEC FLT "A"--ENGINES  
390 426B2, 426H2, 335 SPEC FLT "B"--ENGINES  
400 426C2, 426I2, 336 SPEC FLT "C"--ENGINES  
410 423A0, 423G0, 334 SPEC FLT "A"--ELECTRICAL  
420 423B0, 423H0, 335 SPEC FLT "B"--ELECTRICAL  
430 423C0, 423I0, 336 SPEC FLT "C"--ELECTRICAL  
440 423A4, 423G4, 334 SPEC FLT "A"--PNEUDRAULICS  
450 423B4, 423H4, 335 SPEC FLT "B"--PNEUDRAULICS  
460 423C4, 423I4, 336 SPEC FLT "C"--PNEUDRAULICS  
470 423A1, 423G1, 334 SPEC FLT "A"--ENVIRONMENTAL  
480 423B1, 423H1, 335 SPEC FLT "B"--ENVIRONMENTAL  
490 423C1, 423I1, 336 SPEC FLT "C"--ENVIRONMENTAL  
500 328A0, 328G0, 334 SPEC FLT "A"--COMMUNICATIONS  
510 328B0, 328H0, 335 SPEC FLT "B"--COMMUNICATIONS  
520 328C0, 328I0, 336 SPEC FLT "C"--COMMUNICATIONS  
530 328A1, 328G1, 334 SPEC FLT "A"--NAVIGATION  
540 328B1, 328H1, 335 SPEC FLT "B"--NAVIGATION  
550 328C1, 328I1, 336 SPEC FLT "C"--NAVIGATION  
560 328A4, 328G4, 334 SPEC FLT "A"--INERTIAL NAVIGATION  
570 328B4, 328H4, 335 SPEC FLT "B"--INERTIAL NAVIGATION  
580 328C4, 328I4, 336 SPEC FLT "C"--INERTIAL NAVIGATION  
590 325A0, 325G0, 334 SPEC FLT "A"--AUTOPILOT  
600 325B0, 325H0, 335 SPEC FLT "B"--AUTOPILOT

FIGURE 15. SEYMOUR JOHNSON ALL-INCLUSIVE DIRECTIVES



610	325C0, 325I0,	336	SPEC FLT "C"--AUTOPILOT
620	325A1, 325G1,	334	SPEC FLT "A"--INSTRUMENTS
630	325B1, 325H1,	335	SPEC FLT "B"--INSTRUMENTS
640	325C1, 325I1,	336	SPEC FLT "C"--INSTRUMENTS
650	321A2, 321G2,	334	SPEC FLT "A"--WEAPONS CNTRL
660	321B2, 321H2,	335	SPEC FLT "B"--WEAPONS CNTRL
670	321C2, 321I2,	336	SPEC FLT "C"--WEAPONS CNTRL
680	404A1, 404G1,	334	SPEC FLT "A"--PHOTO
690	404B1, 404H1,	335	SPEC FLT "B"--PHOTO
700	404C1, 404I1,	336	SPEC FLT "C"--PHOTO
710	322A2, 322G2,	334	SPEC FLT "A"--SENSOR
720	322B2, 322H2,	335	SPEC FLT "B"--SENSOR
730	322C2, 322I2,	336	SPEC FLT "C"--SENSOR
740	427A5, 427G5,	334	SPEC FLT "A"--STRUC. REPAIR
750	427B5, 427H5,	335	SPEC FLT "B"--STRUC. REPAIR
760	427C5, 427I5,	336	SPEC FLT "C"--STRUC. REPAIR
770	4G131, 462G0,	334	WEAPONS FLT
780	4G132, 462H0,	335	WEAPONS FLT
790	4G133, 462I0,	336	WEAPONS FLT
800	4R110, 328R0,		COMM/NAV--328X1
810	4R120, 325R0,		AFCS/INSTR--325X1
820	4R130, 328R4,		INERTIAL NAVIGATION
830	4R140, 404R1,		PHOTO
840	4R150, 322R2,		SENSOR
850	4R160, 423R0,		ELECTRICAL
860	4R170, 328R3,		ELECTRONIC COUNTER MEASURES
870	4R180, 321R2,		WEAPONS CONTROL
880	4R181, 321S2,		RADAR CALIBRATION
890	4R210, 426R2,		JET ENG. SHOP
900	4R220, 4R220,		TEST CELL
910	4R310, 427R4,		METAL PROCESSING
920	4R320, 427R5,		STRUCTURAL REPAIR
930	4R330, 427R3,		SURVIVAL EQ.
940	4R340, 427R0,		MACHINE SHOP
950	4R350, 423R4,		PNEUDRAULICS
960	4R360, 423R1,		ENVIRONMENTAL
970	4R370, 427R2,		NON-DESTRUCTIVE INSP.
980	END		

\*

FIGURE 15. SEYMOUR JOHNSON ALL-INCLUSIVE DIRECTIVES (CONT'D)

The all-inclusive list is based on the CDEP selection "Report SB" and the MOI. Based on "Report SB" it is sometimes possible to eliminate a work center or AFSC from consideration right away because no unscheduled maintenance was done. Another advantage of using the "SB" report in combination with the MOI is the ability to identify changes in the work centers that appear on the history tape but are not yet on the MOI. Lastly, use of the "SB" report helps identify contributions of each AFSC within the AMUs. This is very important because it is not always clear from the MOI which AMUs work on the different aircraft.

The structure of the work-center-to-AFSC mapping in Figure 15 is similar to that used in the best-guess mapping. Column one is the work center code, column two is the work center or AFSC into which the work center is mapped, and column three is the name.

The work center naming convention(s) in the second mapping is different from those used in the best-guess mapping. The all-inclusive mapping is set up to allow the user of the data analysis program to identify work performed by each work center or AFSC (in the AMUs). A similarity to the previous mapping is that work centers in the EMS are listed first; work centers in the AGS and CRS are listed second and third, respectively. No significance should be attached to the work center ordering.

Work centers in the EMS (see Figure 15) are mapped into their work center code or AFSC. When the work center is mapped into its AFSC, the fourth position is an "E". This helps identify the work center as belonging to the EMS when results from the data analysis program are examined without referring back to the mapping. On occasion the same AFSC is used in more than one work center in the EMS. Work centers are differentiated in this case by changing

the fourth position to a "D", or "C", etc. The letter used depends on how many times the same AFSC is used in different work centers.

A different naming scheme is used to differentiate among AFSCs in the AMUs. Earlier, the work center code for each AMU was replaced by the AFSC of the individual performing the work. That AFSC's fourth position was changed from "X" to "A", "B", "C", etc. to differentiate among the AMUs. These characters are changed in the mapping to "G", "H", and "I" to prevent overlap with AFSCs in the EMS.

The naming convention used for work centers in the CRS is similar to the EMS convention, except different letters are used in the fourth position. The letter "R" is used to indicate that an AFSC belongs to a CRS work center. When the AFSC is used in more than one work center, we continue with the alphabet. For example, in lines 870 and 880 the 321X2 AFSC is used in both the weapons control and calibration shops. The difference between the shops is preserved by mapping the work center codes into 321R2 and 321S2, respectively.

Step 3: Construct Off-Equipment Work Center Lists. The sortie generation model explicitly treats requirements for unscheduled on-aircraft maintenance. Because significant unscheduled off-equipment maintenance requirements exist, it is necessary to determine if sufficient personnel resources are available to meet surge maintenance requirements.<sup>5</sup>

An estimate of the unscheduled off-equipment maintenance requirements are computed by: (1) calculating peacetime off-equipment manhours per sortie, and (2) multiplying the peacetime rate by the SGM's estimated daily sortie capability. The product is an estimate of the required unscheduled

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<sup>5</sup>Our use of off-equipment maintenance includes on-engine maintenance.

shop maintenance requirement. The required shop manhours are then compared with the manhours available in each shop after performance of unscheduled on-aircraft maintenance. Unfortunately, this approach ignores queuing in the shops, but it has the advantage of being simple and reasonable if the shop utilization rates are low.

A best-guess list of off-equipment work centers is constructed in much the same way as the on-aircraft list. However, the off-equipment list is not used by CDEP but by the data analysis program. Because of the data processing flow, the maintenance workload examined by the data analysis program is based on the AFSC in column two of the all-inclusive mapping. Since the off-equipment rates are computed at the end of the data analysis program, the selected AFSCs must also correspond to those in column two.

Two AFSC lists are used to select unscheduled off-equipment maintenance manhours. The first list, shown in Figure 16, is a master list which contains the AFSCs of interest.

01	326R3
02	326R4
03	326R5
04	423E2
05	423E3
06	423R0
07	423R1
08	423R4
09	462E2
10	426R2
11	427R0
12	427R4
13	427R5
14	431E1
15	AR220
16	AR370

FIGURE 16. MASTER OFF-EQUIPMENT AFSC LIST

The second list, shown in Figure 17, is used to map AFSCs which perform similar functions into one AFSC.

326R3	01
326R4	02
326R5	03
423E2	04
423E3	05
423R0	06
423R1	07
423R4	08
462E2	09
426R2	10
427R0	11
427R4	12
427R5	13
431F1	14
431E1	14
AR220	15
AR370	16

FIGURE 17. ACCEPTABLE OFF-EQUIPMENT AFSCs

This is the same type of function which was performed by the best-guess mapping described earlier.

There are two columns in both AFSC lists. The first two positions in the master AFSC list contain the numbers "01"- "16", and are used as array indices for the AFSCs of interest. The second list contains all AFSCs of interest in the first column. The second column is a set of pointers to the first list and indicates the master AFSC into which the acceptable AFSC should be mapped. For example, AFSCs 431E1 and 431F1 are mapped into 431E1 by placing a 14 in the second column. The mapping causes work performed by these similar functions to be counted together.

Step 4: Run CDEP and the Maintenance Analyzer. CDEP and the data analysis program are run after the CDEP directives and off-equipment lists have been constructed. The procedure for running CDEP and the data analysis is very simple; the user just initiates a JCL stream. This JCL executes CDEP

twice, once with each set of directives, and then runs the data analysis program using the results of the second CDEP run. A description of the JCL and procedures for running it are given in Appendix B.

Each CDEP run produces a set of summary statistics which show how many records and manhours were read from the base-level history tape and how many were rejected (with the reason) or selected. A sample "Input Data Selection Summary" for Seymour Johnson AFB is shown in Figure 18. We are interested in the selected records on Selection "Report SD". "Report SD" contains a summary of the direct manhours expended by each AFSC against the desired SRDs. We do not use "Report SD" because it does not separate on- and off-equipment maintenance. Therefore, we modified CDEP to produce another output reel which identifies on- and off-equipment maintenance. The new output reel is used by the data analysis program. An output tape from CDEP's Combination Reports Program is then used to calculate the SGM inputs once the output of the data analysis program indicates that the list of best-guess work centers is correct. Once again, the reader is urged to consult Figure 13.

The data analysis program reads the new tape created by CDEP and characterizes the maintenance data for each workcenter-AFSC combination based on several criteria. The criteria are designed to separate work based on:

- (1) equipment type as indicated by the standard reporting designator (SRD);
- (2) record type as indicated by the record ID; and (3) type of maintenance.

Each major end item in the Air Force is assigned an SRD. A listing of SRDs and their associated equipment type can be found in USAF Technical Order 00-20-2. By way of example, the SRDs for the F-4E and its J79-17 engine are "AFT" and "XFH," respectively.

The record ID identifies seven work categories: (1) on-equipment, (2) engine bench check, (3) off-equipment, (4) indirect labor, (5) bit and

CODEP STANDARD H.I.S. VERSION 1.1				PAGE	1
INPUT DATA SELECTION SUMMARY					
REPORT GROUP TITLE-SEYMOUR-JUNSON-AFH					
REPORT 500					
INPUT:	NO. OF RECORDS	NO. OF MAN-HOURS			
INPUT FROM BASE-LEVEL HISTORY FILE	255920	101107.0			
OUTPUT:	NO. OF RECORDS	NO. OF MAN-HOURS			
REJECTED BECAUSE THE RECORD:					
0-DUPLICATES ITS PRECEDING RECORD	87219	87259.6			
1-HAS UNWANTED WORKCENTER (INDIRECT)	9587	126691.2			
2-HAS UNWANTED SRD	107400	889576.0			
3-HAS UNWANTED CATEGORY OF LABOR	0	0.0			
4-HAS UNWANTED ACT1 ASSIGNMENT CODE	0	0.0			
5-HAS UNWANTED ACTIVITY/COMMAND ID	0	0.0			
6-HAS AN MDC RECORD-ID OF 2 OR 5	2228	0.0			
7-HAS UNWANTED WORKCENTER (DIRECT)	17910	71374.5			
8-HAS UNWANTED TYPE-MAINTENANCE CODE	11036	31353.1			
9-HAS UNWANTED QUEEN DEE INDICATOR	0	0.0			
10-HAS UNWANTED WHEN-DISCOVERED CODE	1189	5067.1			
11-HAS UNWANTED 3 DIGIT WORKUNIT CODE	0	0.0			
12-HAS AN MDC ACTION TAKEN CODE = E	0	0.0			
13-DIDN'T FIT A SPECIFIED COMM. RPT.	8969	31483.0			
14-HAS MAN-HOURS = ZERO	20	0.0			
15-CONTAINS UNRECOGNIZABLE DATA	12	0.0			
USED IN SELECTION REPORT					
SA INDIRECT MAN-HOURS REPORTED	5936	71760.8			
SB WORKCENTERS NOT FOUND IN DIRECTIVES	17910	71374.5			
SC SERIALLY ENTERED REMOVE/INSTALL	900	0.0			
SD SELECTED MAN-HOURS REPORTED	42080	135411.3			
SE SCHEDULED INSPECTIONS REPORTED	1539	2280.1			
SF SPECIAL INSPECTION REPORTED	8703	15060.0			
SG ICTO WORK REPORTED	0	0.0			
SH CANNONICALIZATION WORK REPORTED	597	1209.6			
PASSED TO THE COMBINATION PROGRAM					
WUC1 04XXX (SPEC. INSPECTION DATA)	8679	15860.8			
WUC2 11000+ (OTHER COMM. RPT DATA)	30050	111010.1			

\* NOTE: THESE RECORDS AND MANHOURS ARE REPORTED IN OTHER ENTRIES ON THIS REPORT

SNINB = 22800, ACTIVITY # = 02, REPORT CODE = 70, RECORD COUNT = 000058

FIGURE 18. INPUT DATA SELECTION SUMMARY

piece part, (6) serial control or time change, and (7) engine periodic maintenance or inspection. Our primary interest in analyzing the maintenance data is to understand the on- and off-equipment categorization, record IDs 1 and 3, respectively. Data for record IDs other than 1 or 3 are combined under a record ID of 2. This approach makes it easy to examine the on- and off-equipment work, while insuring that no work has been improperly discarded.

The third set of criteria allows us to examine unscheduled maintenance independently of scheduled maintenance. This is done by categorizing records into an acceptable set based on the same type-maintenance and when-discovered code sets used in the best-guess CDEP directives. An example categorization for Seymour Johnson AFB is shown in Figure 19. Columns (1)-(3) are self-explanatory. Columns (4) and (7) give the total number of records and manhours, respectively. Columns (5) and (8) show the percentage of records and manhours within the SRD code, while columns (6) and (9) show the same percentage disregarding the SRD classification. Unscheduled maintenance is identified by columns (10)-(13).

The last four columns in Figure 19 are used to identify on-aircraft unscheduled maintenance. Maintenance that has a record ID of 1, an aircraft SRD, and is in columns (10)-(13) is considered "acceptable." If an AFSC performs "acceptable" maintenance it is included in the best-guess CDEP mapping. AFSCs are also included in the best-guess mapping if they do not perform acceptable maintenance, but would in a surge environment.

Step 5: Modify Step 1 Directives, If Necessary. Examination of the results of the maintenance analyzer is extremely important because it can (and frequently does) lead to changes in the best-guess mapping. This changes the records selected for use in calculating the SGM manpower inputs. The output of the data analysis program, as shown in Figure 19, is designed to help the



(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
AFSC	REC ID	SRD	# REC	X IN	X OUT	# HRS	X IN	X OUT	ACC REC	X	ACC MANHRS	X
12102	1	AF1	9.	0.30	0.40	197.	0.17	0.17	6.	66.67	164.	83.25
12102	2	AF1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12102	3	AF1	3024.	99.70	99.70	11815.	99.83	99.83	2421.	80.86	9156.	78.81
12102	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12102	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12102	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	X IN	X OUT	# HRS	X IN	X OUT	ACC REC	X	ACC MANHRS	X
12102	1	AF1	2113.	100.00	100.00	82966.	100.00	100.00	1225.	52.96	25546.	59.86
12102	2	AF1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12102	3	AF1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12102	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12102	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12102	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	X IN	X OUT	# HRS	X IN	X OUT	ACC REC	X	ACC MANHRS	X
12202	1	AF1	200.	100.00	100.00	5170.	100.00	100.00	193.	92.79	5000.	92.97
12202	2	AF1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	3	AF1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	X IN	X OUT	# HRS	X IN	X OUT	ACC REC	X	ACC MANHRS	X
12202	1	AF1	149.	100.00	100.00	4943.	100.00	100.00	149.	100.00	4943.	100.00
12202	2	AF1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	3	AF1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12202	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE 19. SAMPLE SEYMOUR JOHNSON DATA ANALYSIS\*

Manhours are in tenths.

analyst ask questions about the type of maintenance performed by an AFSC. By obtaining answers to the right questions, the analyst can decide whether or not to include the AFSC in the best-guess mapping. An example of this idea, using Figure 19, follows. Taking the easy (sensor) AFSCs first, it is easy to see that 322G2 and 322H2 should be in the best-guess mapping. Both AFSCs are in the AGS (indicated by the "G" and "H" in the fourth position), they completed a similar number of acceptable manhours, and they perform on-aircraft maintenance. It is more difficult to decide whether or not to include shop AFSCs in the best-guess mapping.

Let us continue using Figure 19, but consider the two shop AFSCs, 321R2 and 321S2. These AFSCs represent the weapons control and radar calibration shops, respectively. Because we are working with shop work centers, it is necessary to talk with personnel at the base to find out in detail the type of maintenance performed there. In our example the 321R2 would be excluded and the 321S2 included. The primary function of the weapons control shop is to inspect, install, maintain, troubleshoot, overhaul, repair, and modify weapons control systems and associated equipment. This work is all performed in the shop, as suggested by the low number of on-aircraft manhours - 16.4.

A different function is performed by individuals in the calibration shop. The data and conversations with maintenance personnel indicate that these individuals are dispatched to the flight line when needed to perform tasks which are too complicated for the flight line personnel. For this reason, maintenance work performed by the calibration shop (approximately 2500 hours) is included in the best-guess mapping, while work performed by 321R2 individuals is not.

If the 321R2 AFSC had been included in the best-guess mapping this analysis would help correct the error. A similar approach is followed with the other AFSCs.

#### Create SGM Manpower Input Data

Creation of the SGM manpower input file can be accomplished by running the JCL called SMALLJCL. This JCL stream executes several programs (see Figure 20) which read an output tape from CDEP, a file of maintenance manpower authorizations, and several other files. Construction of the authorizations file is discussed below followed by a description of each program executed by SMALLJCL.

Count Relevant Authorizations. A count of the number of authorizations for the "relevant" AFSCs is necessary to determine the number of servers available for use in the SGM. This count includes the authorizations for a number of shop work centers, reflecting our belief that those shops would provide support to the AGS in a surge as their primary function. In effect, the decisions on what work centers or AFSCs to count has been made in the best-guess directives. The number of authorizations reflects the best-guess list, but it is tempered by an understanding of the shop functions.

The unit manning document for each base is the source of our authorization totals. A portion of the UMD for Seymour Johnson AFB is shown again in Figure 21; the complete UMD is shown in Appendix D. Separate sections are provided for each squadron (AGS, CRS, and EMS). In addition, the AMUs are uniquely identified.

A great deal of information about the structure of the wing is contained in the UMD. Columns (1)-(14) describe the structure necessary to count authorizations by AFSC. These columns are defined below.

(1) - Column (1) indicates the base's name.

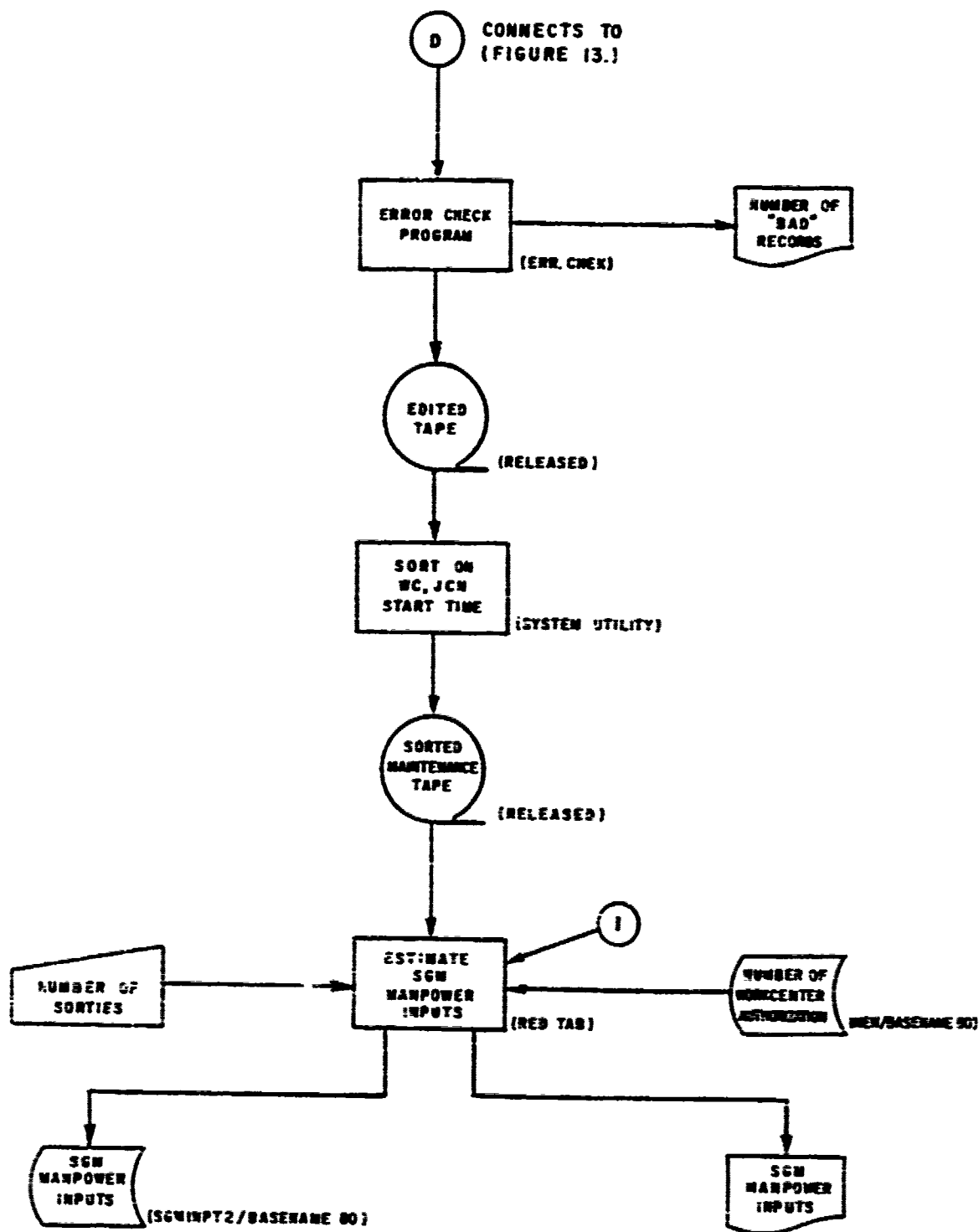


FIGURE 20. CREATE SGM MANPOWER INPUTS

PCN RRA-0003B

FILE = "A" AND NNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
"COR" OR "EQM".

INQUIRY NO 10

MANPOWER INQUIRY AS OF SEP 80 PART A FILE

RUN DATE 9/ 3/81

F I L	B A S E N A M E	ORG NUM	ORG	KIND	TITLE	OT RY ORG	OPER LOCN	ORST	FUNC	PGM ELEM CODE	P R AFSC+S E	ORD	1/81	2/81	3/81	4/81	
(1)	A SEYHOUR JOHNSON	(2)	AIRCRAFT	(3)	(4) SQ 0000	(5) AA			(6) 2900	(7) 27128A	(8) 04016	(9) A LTC	(11)		(12)	(13)	(14)
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	43151	MSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	43171	MSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	43171	MSG	3	3	3	3	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	07024	A CPT	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	10090	SMS	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	70230C	AIC	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	70250C	Sgt	2	2	2	2	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	70250C	SSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	70270C	TSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	99007	Sgt	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	99007	SSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	AA			2900	27128A	99007	SSG	9	9	9	9	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	04016	MAJ	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	43151	SSG	3	3	3	3	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	43171	MSG	2	2	2	2	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	43171	TSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	43200	CMS	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	46200	CMS	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	70230B	AIC	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	70250B	Sgt	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	70250B	SSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	70270B	TSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SA			2900	27128A	70270B	TSG	13	13	13	13	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAA			2900	27128A	46230D	AIC	3	3	3	3	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAA			2900	27128A	46250	Sgt	6	6	6	6	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAA			2900	27128A	46250	SSG	6	6	6	6	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAA			2900	27128A	46270	MSG	1	1	1	1	
A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAA			2900	27128A	46270	TSG	1	1	1	1		
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAA			2900	27128A	46270	TSG	17	17	17	17	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	04024	CPT	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	04054A	CPT	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	32172Q	MSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	43131C	AIC	2	2	2	2	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	43151	Sgt	2	2	2	2	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	43151	SSG	4	4	4	4	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	43171	MSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	43171	TSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	43199	SMS	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	43200	CMS	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	64570	TSG	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	70230B	AIC	1	1	1	1	
	A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	70250B	Sgt	1	1	1	1	
A SEYHOUR JOHNSON	0004	AIRCRAFT	GENERAT	SQ 0000	SAC			2910	27128A	70250B	Sgt	1	1	1	1		

UNCLASSIFIED

FIGURE 21. SEYMOUR JOHNSON UNIT MANNING DOCUMENT

- (2) - This column gives the unit number; for example, the 4th Tactical Fighter Wing.
- (3) - The third column indicates the squadron type; in this case, the Aircraft Generation Squadron.
- (4) - The fourth column indicates the type of unit; i.e., wing versus squadron.
- (5) - Data in this column represent the organizational structure code. Portions of these codes are standard; a separate listing is needed to decipher them.
- (6) - Column (6) indicates the functional code of the work center. The second through fourth digits of the FUNC code are standard throughout the Air Force, and can be found in T.O. 00-20-2. These same digits also correspond to the second through fourth digits of the work center codes found in the maintenance operating instruction.
- (7) - The seventh column contains the program element code (PEC). Each program in the Air Force has its own PEC. The PEC is used to identify funding to various programs and indicates the funding source for the authorized personnel. It also is a good indicator of mobility requirements; that is, personnel with an F-4 PEC would deploy with their F-4 squadron.
- (8) & (9) - These two columns indicate the AFSC(s) of individuals assigned to the different workcenters. The last column of the AFSC (the character) and column (9) are suffixes and prefixes, respectively. They are used further to indicate the skill type of the individual, in particular, the specific equipment the person is capable of maintaining.
- (10) - Indicated by column (10) are the grades of each skill.
- (11) - (14) - Columns (11)-(14) indicate the funded authorizations for each skill type. These are the authorizations which are counted for each work center or AFSC; however, the skill levels (fourth position in the AFSC) are disregarded. Current authorizations (they correspond with the January-June 1980 maintenance data) are in the eleventh column, also labelled 4/80. The 1985 authorizations (not shown in this example for security reasons) are used in support of the FY 83 POM; that is, they provide an estimate of the level of maintenance manpower resources available in 1985. Authorizations for 1985 are used because they correspond in time to the arrival of spares (lead time past the buy point) funded with FY 83 monies.

Counting the authorizations for each AFSC can be done after an understanding of the UMD has been developed. Two lists of AFSCs must be made:

on- and off-equipment. The on-equipment authorizations list corresponds to the best-guess mapping used in the CDEP directives. Included in the authorization totals are the CRS and EMS authorizations that would be available to perform on-aircraft maintenance in a surge environment. Excluded from the counts are officers, civilians, and "9"-level skill types because they are supervisors or would not be available in a wartime environment.

The off-equipment list consists of the authorizations for those AFSCs included in the off-equipment list used in the data analysis program. Officers, civilians, and "9"-level individuals are again excluded, for the same reasons as before, from the shop authorization totals. A list of on-and off-equipment authorizations for Seymour Johnson AFB is shown in Figure 22.

<u>AFSC</u>	<u>A-FLT</u>	<u>AGS</u> <u>B-FLT</u>	<u>C-FLT</u>	<u>CRS</u>	<u>EMS</u>
321X2	11	11	11	37	
322X2				17	
325X0	4	4	4	5	
325X1	4	4	4	3	
328X0	5	5	5	5	
328X1	4	4	4	4	
328X3				77	
328X4	4	4	4	5	
404X1				7	
423X0	6	6	6	5	
423X1	3	3	3	4	
423X2					29
423X3					21
423X4	6	6	6	6	
426X2	10	10	10	58	
427X0				8	
427X2				12	
427X4				7	
427X5	7	7	7	5	
431X1	67	67	67		27
462X0	10	10	10		44

FIGURE 22. ON- AND OFF-EQUIPMENT MAINTENANCE AUTHORIZATIONS

After the list in Figure 22 is completed an input file for the SGM listing the shop and total authorizations for each AFSC is constructed. An

example authorizations file for Seymour Johnson is shown in Figure 23. Only the second and third columns are important to the reader. They list the total (AGS & shop) and shop (CRS and EMS) authorizations, respectively.

<u>AFSC</u>	<u>TOTAL AUTHORIZATIONS</u>	<u>NON-AGS AUTHORIZATIONS</u>
321X2	70	37
325X0	32	8
328R3	77	77
328X0	36	9
328X4	17	5
404X1	24	24
423E2	29	29
423E3	21	21
423X0	23	5
423X1	13	4
423X4	24	6
426X2	30	0
427R0	8	8
427X5	26	5
431E1	27	27
431X1	201	0
462X0	30	3

FIGURE 23. SAMPLE AUTHORIZATIONS LISTING\*

\*AFSC listing reflects the best-guess mapping shown earlier.

Run "SMALLJCL". Maintenance records (or tasks) selected by the Common Data Extraction Programs must be "translated" into standard queuing model inputs (failure rate, service rate, and number of servers) for use by the SGM. This translation is done in a three-step process using a CDEP output tape, a file of manpower authorizations, and a list of AFSC names (corresponding to the manpower authorizations). The three steps are: (1) an error check, (2) a sort of the records selected by CDEP, and (3) data reduction and parameter estimation (See Figure 20).

The sequence of programs executed by "SMALLJCL" manipulates the task records selected by CDEP into maintenance jobs associated with specific work



centers. Some assumptions are then made concerning the number of jobs which can be worked on simultaneously and the repair time distribution to estimate the work center break rate (failure rate), work center service rate, and the number of servers available in each work center to perform unscheduled on-aircraft maintenance.

A detailed description of the three steps follows.

Error Check Program. Data selected by CDEP are discarded by the error check program for two reasons. The first check insures that the start day indicated by the JCN (the first three characters of the JCN are the Julian date) and Air Force Technical Order (AFTO) Form 349 are within five days of one another. Records not meeting this criteria are either bad or are not considered as unscheduled corrective maintenance.

The other rejection criterion is based on the work unit code (WUC). Work unit code whose first two digits are "10" or less are rejected because they are generally associated with support general work; i.e., they are not unscheduled maintenance records.

A new tape is written for input to the sorting routine after records are rejected based on their WUCs and starting time difference.

Sort Procedure. Estimation of the maintenance manpower input parameters requires that the tasks comprising a job be grouped together and related to the work center(s) that performed the maintenance. This computational requirement dictates the sorting strategy. Thus, the sort is performed on three keys, listed in major to minor order: performing work center, job control number, and starting time.

Sorting on the work center code (AFSC) groups all jobs which performed maintenance in that work center together. This sort key is needed to accumulate data efficiently on a work center basis. The second sort key is

based on the job control number. Sorting on the JCN allows us to calculate the job time (after sorting on the next key) because all tasks relating to the job in the work centers are grouped together. After sorting on the JCN it is possible to estimate the break rate because the number of jobs requiring maintenance in each work center is easily counted.

Following the JCN sort is a start-time sort. This sort orders the tasks within a job, within a work center, by starting time. Combining the three sorts allows determination of the start and stop times of the first and last task in each job, respectively. Hence, the time to complete the entire job is easily determined (last stop time minus first start time).

Included in the job time is "white space," or the time between tasks when no work is being done. White space is included in the job time because it represents a portion of the time required to repair the aircraft; i.e., it represents part of the service time (rate) input to the queuing model representation of aircraft maintenance.

Another reason for the three-key sort is that it facilitates estimation of the average crew size of the jobs performed in each work center. The average crew size is used later to estimate the number of servers available to the queuing model.

#### Reduction and Tabulation Procedures

The third program run by "SMALLJCL" is the data reduction and tabulation routine (REDTAB). REDTAB completes the process of translating standard Air Force maintenance data into the SGM queuing inputs. Three files are read by REDTAB, they are: (1) the sorted task records, (2) a list of AFSCs, and (3) a list of manpower authorizations corresponding to the AFSCs in (2). Written by REDTAB are the SGM queuing inputs; an example for Seymour Johnson AFB is shown in Figure 24.

<u>AFSC</u>	<u>PR (BREAK)</u>	<u>NUM. CREWS</u>	<u>SVC. RATE</u>
321X2	0.2878	27.7676	0.1417
325X0	0.1515	15.0639	0.1384
328R3	0.1062	31.0711	0.1273
328X0	0.2010	18.3593	0.1769
328X4	0.1506	9.5688	0.2507
404X1	0.0225	11.9979	0.1510
423E2	0.1699	9.9524	0.0682
423E3	0.0608	8.3078	0.1043
423X0	0.1188	12.2815	0.1327
423X1	0.0793	6.5677	0.1571
423X4	0.0836	11.9101	0.1365
426X2	0.0508	10.8063	0.1585
427R0	0.0379	4.5622	0.3955
427X5	0.1633	14.8863	0.2584
431E1	0.0335	10.7310	0.0857
431X1	0.0527	131.4904	0.5356
462X0	0.1641	7.2708	0.5434

FIGURE 24. MANPOWER INPUT FILE

The reduction and tabulation program reads and accumulates the number of jobs and job times by work center. After the records (maintenance task data) are read, some assumptions are made to estimate the work center break rates and service rates. The authorization totals are then used to estimate the number of servers available in each work center. A detailed explanation of the approaches to estimating the queuing model input parameters is given below.

#### Derive Maintenance Manpower Inputs

Work Center Types. Aircraft maintenance is performed by four types of work centers. Whether or not the work center is explicitly modeled in the Sortie Generation Model (SGM) depends on the work center's function and how that function coincides with the SGM's use as a budgeting tool. Within the budgeting framework the SGM is intended to relate three categories of resource

levels to the ability of tactical air forces to generate sorties over time in a surge environment.

The work center types are:

1. Those work centers assigned to the Aircraft Generation Squadron (AGS) which perform unscheduled on-aircraft maintenance,
2. Those work centers in the Component Repair Squadron (CRS) or Equipment Maintenance Squadron (EMS) which perform unscheduled on-aircraft maintenance as a primary function or in support of AGS when needed,
3. CRS and EMS work centers whose primary function is performance of scheduled or off-equipment maintenance, and
4. Those CRS and EMS work centers whose on-aircraft unscheduled maintenance can be deferred.

Only work center types 1 and 2 are explicitly modeled in the SGM. Workcenter types 3 and 4 are not modeled because we assume that most scheduled and deferable maintenance will not be performed during a maximal surge effort.

Examples of the four work center types are:

1. 325X0 - Automatic Flight Control System  
325X1 - Instrument Systems
2. 423X0 - Electrical System  
423X1 - Environmental System  
423X3 - Fuel System  
423X2 - Egress System
3. 426X2 - Jet Engine Intermediate Shop  
326X4 - Automatic Test Equipment
4. 427X2 - Non Destructive Inspection

Work Center Break Rates. The work center break rate is an estimate of the probability that unscheduled on-aircraft maintenance (one or more jobs) is required in a work center following a sortie.

The method of estimating the work center break rate is explained by an example. Consider 1,000 sorties and 300 jobs (related maintenance actions requiring maintenance in a particular work center). Assume jobs are randomly

distributed among the sorties; thus, a job "hitting" a sortie is a Bernoulli process with

$$X \begin{cases} = 1 & \text{if the job hits the sortie,} \\ = 0 & \text{otherwise, and} \end{cases}$$

$$p = \frac{1}{\text{number of sorties}}$$

The total number of jobs hitting a randomly chosen sortie is the sum of the independent Bernoulli trials; i.e., a binomial random variable with parameters

$n$  = the number of jobs (work center hits) and

$$p = \frac{1}{\text{number of sorties}} .$$

The work center break rate, i.e., the probability that 1 or more jobs require maintenance in a work center is given by

$$1 - (1 - p)^n. \quad (1)$$

Intuitively,  $(1 - p)$  represents the probability that maintenance is not required for one job and  $(1 - p)^n$  represents the probability that maintenance is not required for any job. Thus, expression 1 represents the probability that maintenance is required in the work center for one or more jobs (the work center break rate).

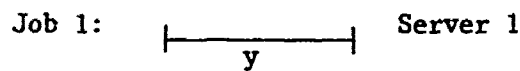
Work Center Service Rates. A work center service rate is the rate, in aircraft per hour, at which unscheduled on-aircraft maintenance is performed by a service team (defined later in detail). The expected service rate is the inverse of the expected service time, which represents the expected time required to complete all jobs (on the aircraft) which have broken into a

work center. Calculation of the expected service time is based on three assumptions:

1. Job times are exponentially distributed,
2. A maximum of three jobs break into a work center following a sortie (the probability of more than three jobs is negligibly small because of the low work center break rates), and
3. No more than two work center service teams (servers) can work on the aircraft simultaneously.

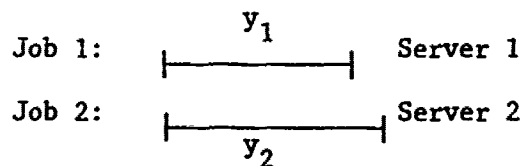
These assumptions lead to three cases.

Case A. One job in the workcenter.



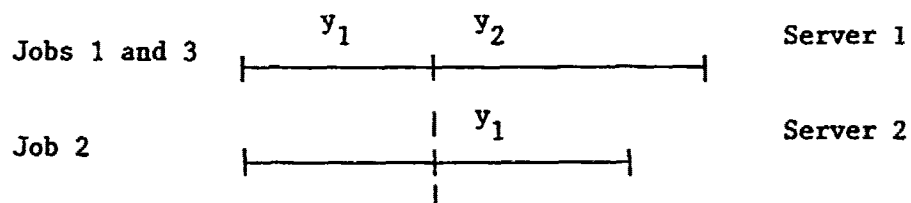
$y$  = expected job time

Case B. Two jobs in the workcenter. Here we let  $y_1$  denote the length of the shorter job and  $y_2$  the length of the longer job.



In this case we are concerned with the service time of job 2,  $y_2$ , because the aircraft is in the work center until the longer job is completed.

Case C. Three jobs in the work center. Here we assume that the first server to finish starts the third job.



In this case we are again concerned with the total time in the work center. Let Server 1 arbitrarily be the server that finishes first. Then  $y_1$  is the expected job time for Server 1's first job. At the end of job 1, both

servers may be viewed as starting new jobs because the exponential distribution has no memory. The longer of these two new jobs has expected length  $y_2$ ; therefore, the expected total time in the work center for all three original jobs is  $y_1 + y_2$ .

The expected service time is obtained by putting cases A, B, and C together as shown in equation 2. Taking the inverse of the expected service time approximates the expected service rate.

$$E[\text{Service Time}] = P\{1 \text{ job}\} \times y + P\{2 \text{ jobs}\} \times y_2 \\ + P\{3 \text{ or more jobs}\} \times (y_1 + y_2) \quad (2)$$

Number of Servers. The number of servers represents the number of maintenance teams in a work center that are available to perform unscheduled on-aircraft maintenance at a random point in time. A server, or maintenance team, is composed of a number of men. An approximation of the number of servers is given by equation 3.

$$\text{No. of Servers} = \frac{\text{UMD Authorizations}}{\text{Expected Number of Men Working On The Aircraft}} \quad (3)$$

Authorizations for a work center (AFSC) are obtained from the Unit Manning Document. Only type 1 and 2 work centers, as described earlier, are included in counting the authorizations for an AFSC. The CRS and AGS authorizations are added together when the same AFSCs are found in both squadrons. This total gives the number of individuals available to perform unscheduled on-aircraft maintenance in a surge environment.

More than one job can be in a work center at an arbitrary point in time. Thus, any approximation of the expected number of men working on the

aircraft must take into account the number of jobs being worked on simultaneously. This is done in equation 4; however, we assume that the same average number of men per job work on each job.

Let A = Average Crew size per job.

$$E[\text{Number of Men}] = \frac{P\{1 \text{ job}\} \times y \times A + P\{2 \text{ jobs}\} \times (y_1 + y_2) \times A + P\{3 \text{ or more jobs}\} \times (3y_1 + y_2) \times A}{E[\text{Service Time}]} \quad (4)$$



APPENDIX A.

CONVERT MAINTENANCE HISTORY TAPES

## APPENDIX A. CONVERT MAINTENANCE HISTORY TAPES

### I. TAPE CONVERSIONS

#### A. JG05A/DLGFILES/PHYSKIP

Function. Gives number of blocks on each T-tape.  
Serves as a check against the number of records on the  
Zat tape.

Input. T-tapes-maintenance data collection base level history  
tapes, which contain raw maintenance data

Output. Computer listing-tells number of blocks on each  
T-tape (called records on listing).

JCL. Figure A-1.

Program Submission. Figures A-2, A-3, A-4.

#### Key

1. Run Command
2. Name of program
3. Name of submitter
4. User identification
5. Input tape-this program is run separately for each  
T-tape.
6. Input tapes are 9 track
7. Label of input tape-all T-tapes have the same  
label, ABD6DA.

Sample Runs. Figure A-5.

#### B. OS29/N241D/UTIL/J/F4E.ZAT

Function. Puts tapes in Honeywell System standard format.

Input. T-tapes-only the first T-tape from a base is specified.

Output. Zat tape in Honeywell format.

- check labels for each tape created which should be three  
per tape
- check error count which should be less than 5

JCL. Figure A-6.

Program Submission. Figure A-7.

Key

1. Program name
2. Name of submitter      These questions are always asked.
3. User identification
4. Name of output tape
5. Area Code-part of six digit code that identifies the tape as that of a particular user
6. Input tape-this program is run once for all T-tapes from a base.
7. Label of input tape
8. Number of records to be dumped (usually 100)

Sample Run. Figure A-8.

C. JG05A/CDEP/TAPEDUMP

Function. Helps to confirm that Zat tape is good. Checks that all the records on T-tapes were transferred to the Zat tape.

Input. Zat tape created from OS29/N241D/UTIL/J/F4E.ZAT

Output. Computer printout listing records-total number of records on the Zat tape is also printed.

JCL. Figure A-9.

Program Submission. Figure A-10.

Key

1. Input tape reel number
2. Number of records to be dumped (usually 100)
3. Input tape name

Sample Run. Figure A-11.

```
##A,R(XL) : ,8,16,58
$:NOTE:** &FIRSTNAME. ** JG05A/DLGFILES/PHYSKIP
$:IDENT:&IDENT.
$:MSG1:4,GET &INTAPE. FOR INPUT
$:UTILITY
$:LIMITS:3,10K,,1K
$:MSG2:1,INPUT REEL=&INTAPE.
$:FFILE:AA,PHYREC
$:QUTIL:ASIS,TERM
$:FUTIL:AA,,SKIP/1F/,HOLD/AA/
$:FUTIL:AA,,SKIP/1F/,HOLD/AA/
$:FUTIL:AA,,SKIP/1F/,REW/AA/
$:TAPE&7-OR-9.:AA,A1DD,,&INTAPE.,,&INLABEL.###
$:ENDJOB
```

FIGURE A-1. JG05A/DLGFILES/PHYSKIP

1. \*RUN LA61A/SUBMIT.R

\*\*\*\*\* STARS SUBMIT SUBSYSTEM \*\*\*\*\*

2. =RUN JG05A/DLGFILES/PHYSKIP  
ENTER FIRSTNAME ?  
3. =NANCY B  
ENTER IDENT ?  
4. =OS2011N241D ,OS29UGOODWIN  
ENTER INTAPE ?  
5. =T-30  
ENTER 7-OR-9 ?  
6. =9  
ENTER INLABEL ?  
7. =ABD6DA

JOB SUBMITTED  
SNUMB # 7429U

FIGURE A-2. SAMPLE PHYSKIP SUBMISSION

2. =RUN JG05A/DLGFILES/PHYSKIP  
ENTER FIRSTNAME ?
3. =NANCY B  
ENTER IDENT ?
4. =OS2011N241D ,OS29UGOODWIN  
ENTER INTAPE ?
5. =T-31  
ENTER 7-OR-9 ?
6. =9  
ENTER INLABEL ?
7. =ABD6DA

JOB SUBMITTED  
SNUMB # 7433U

FIGURE A-3. SAMPLE PHYSKIP SUBMISSION

2. =RUN JG05A/DLGFILES/PHYSKIP  
ENTER FIRSTNAME ?
3. =NANCY B  
ENTER IDENT ?
4. =OS2011N241D ,OS29UGOODWIN  
ENTER INTAPE ?
5. =T-32  
ENTER 7-OR-9 ?
6. =9  
ENTER INLABEL ?
7. =ABD6DA

JOB SUBMITTED  
SNUMB # 7437U

FIGURE A-4. SAMPLE PHYSKIP SUBMISSION

SS 7429U ENTERED C AT 13.149 FROM TSS/S 0-08-10

```

0001 S      SNUMB      7429U
0002 S      COMMENT    05298RIGGS      TSS CARDIN
0003 SS     USERID    05299RIGGSS*****
0004 S      NOTE       ** NANCY B **  JG05A/DLGFILS/PHYSKIP
0005 S      IDENT      052011N241D ,0529UGOODWIN
0006 S      MSG1       4,GET T-30 FOR INPUT
0007 AS     UTILITY
0008 S      LIMITS     3,10K,,1K
0009 S      MSG2       1,INPUT REEL=T-30
0010 S      FFILE      AA,PHYREC
0011 S      QUTIL      ASIS,TERM
0012 S      FUTIL      AA,,SKIP/1F/,HOLD/AA/
0013 S      FUTIL      AA,,SKIP/1F/,HOLD/AA/
0014 S      FUTIL      AA,,SKIP/1F/,REW/AA/
0015 S      TAPE9      AA,A10D,,T-30,,ABD6DA###
0016 S      ENDJOB
      TOTAL CARD COUNT THIS JOB = 000016

```

FIGURE A-5. SAMPLE PHYSKIP RUNS



7429U 01 08/04/80      UTILITY REPORT 731111      PAGE    1

```
$     FFILE   AA.PHYREC
$     QUTIL   ASIS.TERM
$     FUTIL   AA.,SKIP/1F/.,HOLD/AA/
FILE CODE AA SKIPPED   1 FILES.      1 RECORDS IN LAST FILE
.
$     FUTIL   AA.,SKIP/1F/.,HOLD/AA/
FILE CODE AA SKIPPED   1 FILES. 10752 RECORDS IN LAST FILE
$     FUTIL   AA.,SKIP/1F/.,REW/AA/
FILE CODE AA SKIPPED   1 FILES.      1 RECORDS IN LAST FILE
```

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

P\* SYOUT

RC-53 10 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
S .42	S 3.83	S .52	S 4.77

SNUMB=74290, ACTIVITY#=01, REPORT CODE=53, RECORD COUNT=000010

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

[illegible]

SS 7433U ENTERED C AT 13.169 FROM TSS/S 0-08-12

```

0001 S      SNUMB      7433U
0002 S      COMMENT    QS298RIGGS      TSS CARDIN
0003 $$     USERID     QS298RIGGS$*****
0004 S      NOTE       ** VANCY B **   JG05A/DLGFILES/PHYSKIP
0005 S      IDENT      OS2011N241D ,CS29UGOODWIN
0006 S      MSG1       4,GET T-31 FOR INPUT
0007 AS     UTILITY
0008 S      LIMITS     3,10K,,1K
0009 S      MSG2       1,INPUT REEL=T-31
0010 S      FFIL       AA,PHYREC
0011 S      QUTIL      ASIS,TERM
0012 S      FUTIL      AA,,SKIP/1F/,HOLD/AA/
0013 S      FUTIL      AA,,SKIP/1F/,HOLD/AA/
0014 S      FUTIL      AA,,SKIP/1F/,REW/AA/
0015 S      TAPE9      AA,A1D0,,T-31,,ABD6DA***
0016 S      ENDJOB
TOTAL CARD COUNT THIS JOB = 000016

```

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

7433U 01 08/04/80 UTILITY REPORT 731111 PAGE 1

```
$      FFILE  AA.PHYREC
$      QUTIL  ASIS.TERM
$      FUTIL  AA..SKIP/1F/..HOLD/AA/
FILE CODE AA SKIPPED  1 FILES.      1 RECORDS IN LAST FILE

$      FUTIL  AA..SKIP/1F/..HOLD/AA/
FILE- 2 BLOCK 3397 FILE CODE AA NONRECOVER. PARITY ERROR
FILE- 2 BLOCK 3398 FILE CODE AA NONRECOVER. PARITY ERROR
FILE- 2 BLOCK 3399 FILE CODE AA NONRECOVER. PARITY ERROR
FILE- 2 BLOCK 3400 FILE CODE AA NONRECOVER. PARITY ERROR
FILE CODE AA SKIPPED  1 FILES. 10618 RECORDS IN LAST FILE

$      FUTIL  AA..SKIP/1F/..REW/AA/
FILE CODE AA SKIPPED  1 FILES.      1 RECORDS IN LAST FILE
```

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

P\* SYOUT

RC-53 14 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
\$ .40	\$ 4.13	\$ .55	\$ 5.08

SNUM8=7433U, ACTIVITY#=01, REPORT CODE=53, RECORD COUNT=000014

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

```

#####
#####
          SSSSSS      SS      SSSS      SSSS      S      S
              S      S S      S      S      S      S
SSSS      SSSS      S      S S      SSS      SSS      S      S      SSSS      SSSS
              S      SSSSSS      S      S      S      S
              S      S      S      S      S      S      S
              S      S      SSSS      SSSS      SSSS
#####
#####
-- 3 0 --      DATE 09-01-81      TIME 15.773      ID = XL      C

```

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

```

#####          ##          #####          #####          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#          #          #          #          #          #          #
#####          ##          #####          #####          #          #

```

SS 7437U ENTERED C AT 13.188 FROM TSS/S 0-08-12

TOTAL CARD COUNT THIS JOB = 000016

A-15



7437U 01 08/04/80 UTILITY REPORT 731111 PAGE 1

```
*      FFILE  AA.PHYREC
*      QUTIL  ASIS.TERM
*      FUTIL   AA.,SKIP/1F/.,HOLD/AA/
FILE CODE AA SKIPPED  1 FILES.      1 RECORDS IN LAST FILE

*      FUTIL   AA.,SKIP/1F/.,HOLD/AA/
FILE CODE AA SKIPPED  1 FILES.    4223 RECORDS IN LAST FILE

*      FUTIL   AA.,SKIP/1F/.,REW/AA/
FILE CODE AA SKIPPED  1 FILES.      1 RECORDS IN LAST FILE
```

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

P\* SYQUT

PC-53 / LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
\$ .16	\$ 1.53	\$ .21	\$ 1.90

SNQMB=7437U, ACTIVITY#=01, REPORT CODE=53, RECORD COUNT=000010

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

```

#####
#####
          SSSSSS  SS  SSSS  SSSSSS  S  S
            S  S S  S  S  S  S  S
SSSS  SSSS      S  S S  SSS  S  S  S  SSSS  SSSS
            S  SSSSSS  S  S  S  S
            S  S  S  S  S  S  S
            S  S  SSSS  S  SSSS
#####
#####
-- 3 0 --      DATE 09-01-81      TIME 15.772      ID = XL  C

```

FIGURE A-5. SAMPLE PHYSKIP RUNS (CONT'D)

```

100##S,R(XL) : ,8,16,58
110$::NOTE:** &FIRSTNAME. ** OS29/N241D/UTIL/J/F4E.ZAT
120$::IDENT:&IDENT.
130$::MSG1:4,ULG&OUTLABEL.,OS29&AC-2CHAR.,090
140$::MSG1:4,GET &TAPE1. FOR INPUT
150$::SELECT:WDRAZ1002001/JCL/ZAT1FO
160PCNSS891T11
170#          UPHPTLASA9  HIGH  BLK010XL0160EBCDIC
180$::LIMITS:39,10K.,,1K
210$::MSG2:1,INPUT REEL=&TAPE1.
220$::TAPE9:F1,A1D.,,&TAPE1.,,&INLABEL.,,DENS###
230$::TAPE9:F2,A2C.,,&OUTLABEL.,,***
300$::UTILITY
310$::LIMITS:01,10K.,,3K
320$::FUTIL:AA.,,REW/AA/,DDUMP/&DUMP-LEN./
330$::TAPE9:AA,A2D
340$::ENDJOB

```

FIGURE A-6. OS29/N241D/UTIL/J/F4E.ZAT

1. =RUN OS29/N241D/UTIL/J/F4E.ZAT  
ENTER FIRSTNAME ?
2. =NANCY B  
ENTER IDENT ?
3. =OS2011N241D ,OS29UGOODWIN  
ENTER OUTLABEL ?
4. =SJ-ZAT  
ENTER AC-2CHAR ?
5. =26  
ENTER TAPE1 ?
6. =T-30  
ENTER INLABEL ?
7. =ABD6DA  
ENTER DUMP-LEN ?
8. =100R

JOB SUBMITTED  
SNUMB # 7423U

FIGURE A-7. SAMPLE ZAT SUBMISSION

[illegible]

SS 7423U ENTERED C AT 3.121 FROM TSS/S 0-08-07

FIGURE A-8. SAMPLE ZAT RUN

OPERATOR STARTED WITH #20641 FOR FILE CODE F2 GE 600 BTL AFDSC 20641 20641 0001 80217 000  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+< .....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+< .....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+< .....  
 OPERATOR ENTERED # 20441 FOR FILE CODE F2 SEQ # 002 OUTPUT  
 OPERATOR CONTINUED WITH #20441 FOR FILE CODE F2 GE 600 BTL AFDSC 20441 20641 0002 80217 000  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+< .....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+< .....  
 LABEL RECORD IS -83CH#2H\$C810<3+<3+< .....  
 INPUT BLOCKS - 025593 OUTPUT RECORDS - 255928 ERROR COUNT - 000000

\* NORMAL TERMINATION AT 000142 I=4020 SW=00000000000000

\* JOB LIMIT EXCEEDED, ENDJOB

START	STOP	SWAP	LAPSE	PC D	TYPE	BUSY	IP/AT	PP/RT	IS/#G MS/#E	TU	CU	5	MEMORY	10K
20.601	22.029	0.149	1.428	I	R	D191	*	12	0	1	1	1	0-08-01	
				R	*	R	D191	*	20	0	1	1	0-08-01	
				L	A	R	D191	P	1508	0	146	146	0-08-13	
				F	1	D	TAP9		592467	0/00	25630	2	0-16-07	#T-30
				F	2	D	TAP9		477478	0/00	23448	0	0-16-06	#20641
				P	*	SYOUT								
				L	*	R	D191	*	423	0	624	624R	0-08-02	

LIST 105 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
\$ 9.25	\$ 16.93	\$ 4.65	\$ 30.83

SNUMB = 2636U, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000105

FIGURE A-8. SAMPLE ZAT RUN (CONT'D)

ENTRY LOCATION

ENTRY LOCATION

ENTRY LOCATION

ENTRY LOCATION

ENTRY LOCATION

ENTRY LOCATION

## SUBPROGRAMS INCLUDED IN DECK.

\* LOWLOAD  
 \* LIBRARY LA  
 \* USE ZATIED  
 \* ENTRY ZATIED

IA

LIBRARY

ENTRY LOCATION

ENTRY LOCATION

ENTRY LOCATION

SUBPROGRAMS OBTAINED FROM USERS

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

003170	07/09/72	GREO	.GREA0 003170	READ	003170	
003270	05/20/73	GSET	.GSET 003270	WRITE	003270	
003362	07/09/72	GMHC	.GMHC 003362	WRITE	003362	
003432	06/18/73	GCTR	.GCTR 003432	WRITE	003432	
			.GCTR 003432	WRITE	003432	
004162	07/09/72	GPMT	.GPMT 004162	WRITE	004162	
004170	11/08/73	GPTH	.GPTH 004170	WRITE	004170	
			.GPTH 004170	WRITE	004170	
004716	08/26/73	GNPF	.GNPF 004716	WRITE	004716	
005502	07/09/72	GNPT	.GNPT 005502	WRITE	005502	
005510	06/05/73	GNLN	.GNLN 005510	WRITE	005510	
			.GNLN 005510	WRITE	005510	
006160	07/09/72	GNPD	.GNPD 006160	WRITE	006160	
006202	07/09/72	GNRC	.GNRC 006202	WRITE	006202	
006230	07/09/72	GNPD	.GNPD 006230	WRITE	006230	
006412	07/09/72	GNPD	.GNPD 006412	WRITE	006412	
006470	08/26/73	GNPD	.GNPD 006470	WRITE	006470	
006550	11/08/73	GNPD	.GNPD 006550	WRITE	006550	
007026	07/09/72	GNPD	.GNPD 007026	WRITE	007026	
007200	07/09/72	GNPD	.GNPD 007200	WRITE	007200	
007222	07/09/72	GNPD	.GNPD 007222	WRITE	007222	
			.GNPD 007222	WRITE	007222	
007500	07/09/72	GNPD	.GNPD 007500	WRITE	007500	
007532	07/09/72	GNPD	.GNPD 007532	WRITE	007532	
			.GNPD 007532	WRITE	007532	
010372	08/11/77	GNPD	.GNPD 010372	WRITE	010372	

FIGURE A-8. SAMPLE ZAT RUN (CONT'D)



PCN SSA91-T12

VFRDTF - 090179

INPUT TAPE UTILITY PARAMETER LIST

PREPARED ON DEC 30

PCN SSA91T11

UPHPTLASA9 HIGH NLK010XL01ANFRC01C

FIGURE A-8. SAMPLE ZAT RUN (CONT'D)

```

#####
#####
          SSSSSS      SS      SSSS      SSSS      S      S
            S      S S      S      S      S      S      S
SSSS      SSSS      S      S S      S      SSS      S      S      SSSS      SSSS
            S      SSSSSS      SSS      S      S      S      S
            S      S      S      S      S      S      S
            S      S      SSSSSS      SSSS      SSSS
#####
#####
-- 3 0 --      DATE 09-01-81      TIME 16.138      ID = XL      C

```

FIGURE A-8. SAMPLE ZAT RUN (CONT'D)

```

100##S,R(XL) : ,8,16,58
110$:NOTE:** &FIRSTNAME. ** JG05A/CDEP/TAPEDUMP
120$:IDENT:&IDENT.
130$:MSG1:4,GET &TAPE#. FOR INPUT
140$:UTILITY
150$:LIMITS:7,10K,,10K
160$:FUTIL:AA,,REW/AA/,DDUMP/&DUMP-LEN./,SKIP/1F/,REW/AA/
170$:TAPE9:AA,AID,,&TAFE#.,,&TAPENAME.###
180$:MSG2:1,INPUT REEL=&TAPE#.
190$:ENDJOB

```

FIGURE A-9. JG05A/CDEP/TAPEDUMP

=RUN JG05A/CDEP/TAPEDUMP  
ENTER FIRSTNAME ?  
=NANCY B  
ENTER IDENT ?  
=OS2011N241D ,OS29UGOODWIN  
ENTER TAPE# ?  
1. =20641  
ENTER DUMP-LEN ?  
2. =100R  
ENTER TAPENAME ?  
3. =SJ-ZAT

JOB SUBMITTED  
SNUMB # 7740U

FIGURE A-10. SAMPLE TAPEDUMP SUBMISSION

[illegible]

SS 7740U ENTERED C AT 14.704 FROM TSS/S 0-08-11

TOTAL CARD COUNT THIS JOB = 000012

```

START 15.275      LINES      217      PROC 0.0466      I/O 0.093      IO 5      MEMORY 16K
STOP 15.660      LIMIT 10240      LIMIT 0.9700      LIMIT      CU 5      W-T 13540
SWAP 0.071
LAPSE 0.385      FC 0 TYPE      BUSY      IP/AT      EB/RT      IS/RC MS/RE      ADDRESS 1=
                                U= 2 0191      61      0      0      1      1      0-08-00
                                11 0 7490      329538      9/00      23326      0      0-10-00 =20641
                                0= SYOUT

```

PROCESSOR	I/O	CORE	TOTAL
\$ 1.49	\$ 5.48	\$ 1.11	\$ 8.08

FIGURE A-11. SAMPLE TAPEDUMP RUN



77400 01	08/28/81	UTILITY REPORT	731111	PAGE	2		
16	000000	1	*1782507S3130SA0241	M0040018G0S0S0068BHVGKAGS211005A002	Z 0154265802001730151193021	1100*	80526
		17	58000241 CC				
17	000000	1	*0000000S1220SA0210	M0000018G0S0S0068BHVGKAGS211006A009	Z 0154519793000000170000001	1100*	80526
		17	58000210 CC				
18	000000	1	*0000000S1220SA2567	M0000018G0S0S0068BHVGKAGS211006A009	Z 0154519793000000170000001	1100*	80526
		17	59002567 CC				
19	000000	1	*0000000S1220SA2567	M0000018G0S0S0068BHVGKAGS211006A010	Z 0154519793000000171000001	1100*	80526
		17	59002567 CC				
20	000000	1	*0000000S1220SA2572	M0000018G0S0S0068BHVGKAGS211006A009	Z 0154519793000000170000001	1100*	80526
		17	59002572 CC				
21	000000	1	*0000000S1220SA2588	M0000018G0S0S0068BHVGKAGS211006A009	Z 0154519793000000170000001	1100*	80526
		17	59002588 CC				
22	000000	1	*0000000S1220SA6508	M0000018G0S0S0068BHVGKAGS211006A010	Z 0154519793000000171000001	1100*	80526
		17	57006508 CC				
23	000000	1	*3302500S4210SA6508	M0080018G0S0S0068BHVGKAGS211006A010	Z 0154519801011600170200021	1100*	80526
		17	57006508 CC				
24	000000	1	*0000000S1220SA0163	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	58000163 CC				
25	000000	1	*0000000S1220SA0170	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	58000170 CC				
26	000000	1	*0000000S1220SA0210	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	58000210 CC				
27	000000	1	*0000000S1220SA0231	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	58000231 CC				
28	000000	1	*0000000S1220SA0241	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	58000241 CC				
29	000000	1	*0000000S1220SA0253	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	58000253 CC				
30	000000	1	*0000000S1220SA2588	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	59002588 CC				
31	000000	1	*0000000S1220SA6484	M0000018G0S0S0068BHVGKAGS211006A016	Z 0157545793000000179000001	1100*	80526
		17	57006484 CC				
32	000000	1	*0000000S1220SA6508	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526
		17	57006508 CC				
33	000000	1	*0000000S1220SA6519	M0000018G0S0S0068BHVGKAGS211006A002	Z 0157545793000000156000001	1100*	80526

FIGURE A-11. SAMPLE TAPE DUMP RUN (CONT'D)

BLK#	REC#	RCW(L)	WRD#	1	AGE	400	BIL	AFDSC	20641	0001	80217	000	LOGICAL DUMP FILE#	1	FILECODE	AA	06
1	1	000000	17	1	*TAPE	CONTAINS	6	MONTHS	CUMULATIVE	TRANSACTIONS	FOR	JAN	80-JUN	80	00*		
2	2	000000	17	1	*ORG	H	0008	TDCS	Q	IVKAG	*****	***			100*		M770915 X
3	3	000000	17	1	*URG	J	0205	FIGT	Q	IVKAG	*	*			100*		750625 X
4	4	000000	17	1	*ORG	S	0068	RVWG	Q	SVKAG	*****	***			100*		M770729 X
5	5	000000	17	1	*ORG	Y	2012	CMNS	Q	IVKAG	**	*	*		100*		790502 X
6	6	000000	17	1	*ORG	Q	0004	TFWG	Q	IVKAG	*****	*****			100*		HM780914 X
7	7	000000	17	1	*1759923JE360JY999913772519696								000B 01000		011450175153021		461X0 1377251969
				6	F0013H3WA0T0J0205FTGDTIVKAGJE360068013										3100*		
8	8	000000	17	1	*1759923JE360JY999913772519696								000B 01000		011450175153021		461X0 1377251969
				6	F0013H3WA0T0J0205FTGDTIVKAGJE360068016										3100*		
9	9	000000	17	1	*1412503' 1111SA0170								Z S052540801010800150083021		1100*		80526
				17	580001. CC												
10	10	000000	17	1	*1412503S2111SA0231								Z S052540801010800150083021		1100*		80526
				17	58000231 CC												
11	11	000000	17	1	*1682508S3330SA0241								Z S052541801010800178090021		1100*		80526
				17	5A000241 CC												
2	12	000000	17	1	*1412503S2111SA0253								Z S052540801010800150083021		1100*		80526
				17	58000253 CC												
13	13	000000	17	1	*1682513S3330SA2580								Z S052541801010700178080021		1100*		80526
				17	59002588 CC												
14	14	000000	17	1	*1412503S2111SA6519								Z S052540801010800150083021		1100*		80526
				17	57006519 CC												
15	15	000000	17	1	*1782512S0220SA2588								Z 0154265801011600157240021		1100*		80526
				17	59002588 CC												

FIGURE A-11. SAMPLE TAPEDUMP RUN (CONT'D)



77400 01	0A/2A/81	UTILITY	REPORT	731111	PAGE	3
4	34	000000	17	57006519 CC	M00000D1B60S0S0068RHVWGVKAGS211006R002	1100*
			1	*0442512933390SA2585	Z 01575458010108000112103021	H0526
			17	59002585 CC	M00500D1B60S0S0068RHVWGVKAGS211004R002	1100*
35		000000	1	*0442513833390SA258A	Z 01575458010107000157090031	H0526
			17	59002588 CC	M00600D1B60S0S0068RHVWGVKAGS211006R001	1100*
36		000000	1	*04425118331109A2572	Z 015754580200160016818002P	H0526
			17	59002572 CC	M00400D1B60S0S0068RHVWGVKAGS211006R009	1100*
37		000000	1	*0442511833130SA2572	Z 01575458020008000165083021	H0526
			17	59002572 CC	M00100D1B60S0S0068RHVWGVKAGS211006R009	1100*
38		000000	1	*0442512933390SA2585	Z 01575458020008000111160031	H0526
			17	59002585 CC	M02400D1B60S0S0068RHVWGVKAGS211004R002	1100*
39		000000	1	*0442513833390SA2588	Z 0157545802000700155080031	H0526
			17	59002588 CC	M00300D1B60S0S0068RHVWGVKAGS211006R001	1100*
40		000000	1	*04425139331109A2588	Z 015754580200160015718002P	H0526
			17	59002588 CC	M00400D1B60S0S0068RHVWGVKAGS211006R003	1100*
41		000000	1	*0442513833130SA2588	Z 0157545802000830155093021	H0526
			17	59002588 CC	M00200D1B60S0S0068RHVWGVKAGS211006R002	1100*
42		000000	1	*0442513833390SA2588	Z 0157545802001200154150031	H0526
			17	59002588 CC	M00900D1B60S0S0068RHVWGVKAGS211006R001	1100*
43		000000	1	*0442513833130SA2588	Z 0157545802000830155093021	H0526
			17	59002588 CC	M00200D1B60S0S0068RHVWGVKAGS211006R002	1100*
44		000000	1	*0442513833390SA2588	Z 0157545802001300156160031	H0526
			17	59002588 CC	M00900D1B60S0S0068RHVWGVKAGS211006R001	1100*
45		000000	1	*046251084130SA2567	Z 0157610801010800170160041	H0526
			17	59002567 CC	M03200D1B60S0S0068RHVWGVKAGS211006R010	1100*
46		000000	1	*046251184130SA2572	Z 0157610801010800164160041	H0526
			17	59002572 CC	M03200D1B60S0S0068RHVWGVKAGS211006R007	1100*
47		000000	1	*046251384130SA2588	Z 0157610801010800157140021	H0526
			17	59002588 CC	M01200D1B60S0S0068RHVWGVKAGS211006R002	1100*
48		000000	1	*142250294330SA0163	Z 0157816801011600171190021	H0526
			17	58000163 CC	M00600D1B60S0S0068RHVWGVKAGS211006R014	1100*
49		000000	1	*142250484330SA0193	Z 0157816801010710171133021	H0526
			17	58000193 CC	M01200D1B60S0S0068RHVWGVKAGS211006R010	1100*
50		000000	1	*142250584330SA0210	Z 0157816801010800172160021	H0526
			17	58000210 CC	M01600D1B60S0S0068RHVWGVKAGS211006R014	1100*

FIGURE A-11. SAMPLE TAPEDUMP RUN (CONT'D)

77400 01	08/28/81	UTILITY	REPORT	731111	PAGE	4	
51	000000	1	*1422510843308A2567				H0526
	17		59002567 CC				
						M006801RG0S0S0068HVVWGVKAGS2110068007	Z 0157816801010005163033021
							1100*
52	000000	1	*1422511843308A2572				H0526
	17		59002572 CC				
						M0100D1RG0S0S0068HVVWGVKAGS2110068002	Z 0157816801011600156210021
							1100*
53	000000	1	*1422513843308A2585				H0526
	17		59002585 CC				
						M0160D1RG0S0S0068HVVWGVKAGS2110068007	Z 0157816801011400163220021
							1100*
54	000000	1	*1422513843308A2588				H0526
	17		59002588 CC				
						M0040D1RG0S0S0068HVVWGVKAGS2110068002	Z 0157816801011600155180021
							1100*
55	000000	1	*1422500843308A6508				H0526
	17		57006508 CC				
						M0080D1RG0S0S0068HVVWGVKAGS2110068002	Z 0157816801012000154240021
							1100*
56	000000	1	*1422502843308A0163				H0526
	17		58000163 CC				
						M0100D1RG0S0S0068HVVWGVKAGS2110068014	Z 0157816802000900171140021
							1100*
57	000000	1	*1422510843308A2567				H0526
	17		59002567 CC				
						M0120D1RG0S0S0068HVVWGVKAGS2110068007	Z 0157816802000730161133021
							1100*
58	000000	1	*1422511843308A2572				H0526
	17		59002572 CC				
						M0090D1RG0S0S0068HVVWGVKAGS2110068002	Z 0157816802001100156153021
							1100*
59	000000	1	*1422513843308A2588				H0526
	17		59002588 CC				
						M0140D1RG0S0S0068HVVWGVKAGS2110068002	Z 0157816802000800155150021
							1100*
60	000000	1	*1422500843308A6508				H0526
	17		57006508 CC				
						M0090D1RG0S0S0068HVVWGVKAGS2110068002	Z 0157816802000730154120021
							1100*
61	000000	1	*0632511821138A2572				H0526
	17		59002572 CC				
						M0080D1RG0S0S0068HVVWGVKAGS2110068007	Z 0158134801010800165160011
							1100*
62	000000	1	*0632513821138A2588				H0526
	17		59002588 CC				
						M0160D1RG0S0S0068HVVWGVKAGS2110068001	Z 0158134801010700156150021
							1100*
63	000000	1	*0000000812208A0170				H0526
	17		58000170 CC				
						M0000D1RG0S0S0068HVVWGVKAGS2110068003	Z 01585327930000000162000001
							1100*
64	000000	1	*1512503833908A0170				H0526
	17		58000170 CC				
						M0020D1RG0S0S0068HVVWGVKAGS2110068003	Z 0158532801011300161140021
							1100*
65	000000	1	*1512508833908A0241				H0526
	17		58000241 CC				
						M0080D1RG0S0S0068HVVWGVKAGS2110068002	Z 015853280101100156150021
							1100*
66	000000	1	*1512511833908A2572				H0526
	17		59002572 CC				
						M0040D1RG0S0S0068HVVWGVKAGS2110068002	Z 0158532801010700156090021
							1100*
67	000000	1	*1512512833908A2585				H0526
	17		59002585 CC				
						M0040D1RG0S0S0068HVVWGVKAGS2110068003	Z 0158532801010700158090021
							1100*
68	000000	1	*1512506833908A6484				H0526
						7 0158532801010900156130031	

FIGURE A-11. SAMPLE TAPEDUMP RUN (CONT'D)

77400 01	08/28/81	UTILITY	REPORT	731111	PAGE	5	
69	000000	17	57006484 CC		M0120B1RG0S0S0068RHVWGVKAGS2110068002	1100*	B052G
		1	*1312401S2112SA2567		H 11AAAH799011000137103011	1100*	
		17	59002567 CC				
70	000000	1	*1622400S2112SA2572		B 11ABDTF799012300162240011	1100*	B052G
		17	59002572 CC				
71	000000	1	*1548233S2113SA2588		P 11ACAGM105011230155130021	1100*	B052G
		17	59002588 CC				
72	000000	1	*1642002S3113SA0193		C 11ACHGH105010600164070011	1100*	B052G
		17	59000193 CC				
73	000000	1	*1612405S2112SA6484		B 11ADAHF799011000154110011	1100*	B052G
		17	57006484 CC				
74	000000	1	*161E085S3310SA2585		P 11ADKPM020011600162173021	1100*	B052G
		17	59002585 CC				
75	000000	1	*1700038S3310SA2567		P 11AFDGM105010830171093021	1100*	B052G
		17	59002567 CC				
76	000000	1	*1494974S3310SA2585		B 11AFDGF105011230149133021	1100*	B052G
		17	59002585 CC				
77	000000	1	*163E066S3310SA2585		P 11AFDGM105011430163153021	1100*	B052G
		17	59002585 CC				
78	000000	1	*1700037S3310SA2567		P 11AFDGM105010800171083021	1100*	B052G
		17	59002567 CC				
79	000000	1	*1544982S3310SA6508		C 11AFDHH799011300154133021	1100*	B052G
		17	57006508 CC				
80	000000	1	*155H013S3310SA2588		P 11AFFGM105010730156083021	1100*	B052G
		17	59002588 CC				
81	000000	1	*161F085S3310SA2585		P 11AFDGM105011630176173022	1100*	B052G
		17	59002585 CC				
82	000000	1	*1650217S3310SA2572		P 11AGAGM105011100165120021	1100*	B052G
		17	59002572 CC				
83	000000	1	*163E067S3310SA2585		P 11AGAGM105011100165120021	1100*	B052G
		17	59002585 CC				
84	000000	1	*1488029S3310SA0241		P 11AGAHM799010830149090021	1100*	B052G
		17	58000241 CC				
85	000000	1	*155H012S3310SA2588		P 11AGAHM799010830156090021	1100*	B052G
		17	59002588 CC				

FIGURE A-11. SAMPLE TAPEDUMP RUN (CONT'D)

7740U 01	0A/2A/81	UTILITY REPORT 731111	PAGE 6	
86	000000	1 *148028S3310SA0241 17 5A000241 CC	M0010C1B60S0S0068BHVMGVKAGS211005R005 1100*	H0526
87	000000	1 *1710059S3130SA2567 17 59002567 CC	M0070A1B60S0S0068BHVMGVKAGS211006R012 1100*	H0526
88	000000	1 *158E242S2113SA2585 17 59002585 CC	M0005D1B60S0S0068BHVMGVKAGS211006R009 1100*	H0526
89	000000	1 *1644983S33320SA0193 17 5A000193 CC	M0020A1B60S0S0068BHVMGVKAGS211006R009 1100*	H0526
90	000000	1 *1710295S3130SA2567 17 59002567 CC	M0027B1B60S0S0068BHVMGVKAGS211006R012 1100*	H0526
91	000000	1 *158E240S2113SA2585 17 59002585 CC	M0005D1B60S0S0068BHVMGVKAGS211006R009 1100*	H0526
92	000000	1 *172017S3130SA0210 17 5A000210 CC	M0005D1B60S0S0068BHVMGVKAGS211006R017 1100*	H0526
93	000000	1 *172021S3130SA0404 17 57006404 CC	M0005B1B60S0S0068BHVMGVKAGS211006R017 1100*	H0526
94	000000	1 *172007S3130SA0163 17 5A000163 CC	M0020B1B60S0S0068BHVMGVKAGS211006R017 1100*	H0526
95	000000	1 *1650220S3110SA2572 17 59002572 CC	M0020B1B60S0S0068BHVMGVKAGS211006R009 1100*	H0526
96	000000	1 *1508059S3130SA0241 17 5A000241 CC	M0020B1B60S0S0068BHVMGVKAGS211005R002 1100*	H0526
97	000000	1 *1700061S3130SA2567 17 59002567 CC	M0010B1B60S0S0068BHVMGVKAGS211006R010 1100*	H0526
98	000000	1 *140E236S2113SA6508 17 57006508 CC	M0010B1B60S0S0068BHVMGVKAGS211005R004 1100*	H0526
99	000000	1 *158E268S2113SA2585 17 59002585 CC	M0020A1B60S0S0068BHVMGVKAGS211006R009 1100*	H0526
100	000000	1 *158E235S2113SA2585 17 59002585 CC	M0020B1B60S0S0068BHVMGVKAGS211006R009 1100*	H0526

FILE CODE AA SKIPPED 1 FILES. 255928 RECORDS IN LAST FILE

FIGURE A-11. SAMPLE TAPEDUMP RUN (CONT'D)

FIGURE A-11. SAMPLE TAPEDUMP RUN (CONT'D)

APPENDIX B.

FIND ALL WORK CENTERS

## APPENDIX B. FIND ALL WORK CENTERS

### A. JG05A/CDEP/JCL/P2.JCL

Function. Creates an output tape with all work centers selected. This tape is used as input to JG05A/CDEP/JCL/P3.JCL .

Input. Zat tape JG05A/CDEP/SEL.PROG/FIND.WCS (Figure B-1)  
- dummy mapping which causes all work centers to be selected  
- SRD's specified are changed for each aircraft type (Lines 1030, 1060, 1090)

JG05A/CDEP/CSTAR/P2.C (Compiled) See Figure G-1 for COBOL listing of uncompiled version.

Output. CO.WCS tape-combination data file.

SEL.WCS tape selection reports data file input to JG05A/CDEP/JCL/P3.JCL

JG05A/CDEP/OUTPUT/P2.X1.2 (Figure B-2) SRD-WDC-RPT-ID index file

JG05A/CDEP/OUTPUT/P2.X2.2 (Figure B-3) AFSC index file

JG05A/CDEP/OUTPUT/P2.X3.2 (Figure B-4) Report S01 index file

JCL. Figure B-5.

Program Submission. Figure B-6.

#### Key

1. Input tape reel number
2. Name of input tape

Sample Run. Figure B-7.

### B. JG05A/CDEP/JCL/P3.JCL

Function. Provides a listing of all work centers and their manhours.

Input. SEL.WCS tape produced from JG05A/CDEP/JCL/P2.JCL

JG05A/CDEP/CSTAR/P3.C (Compiled version). See Figure G-2 for uncompiled version

Output. SORT.WCS tape containing sorted selection records which are input to JG05A/CDEP/CSTAR/P3.C program

Computer listing of all work centers.

JCL. Figure B-8.

Program Submission. Figure B-9.

Key

1. Reel number of input tape

Sample Run. Figure B-10.



1000 REPORT GROUP, TITLE, FIND ALL WCS  
1010 SORTIES, 16862  
1020 REPORT, C2  
1030 SRD, AFT  
1040 WDC, A  
1050 REPORT, C2  
1060 SRD, XFH  
1070 WDC, A  
1080 REPORT, C4  
1090 SRD, AFT, XFH  
1100 WDC, A  
1110 WORKCENTERS TO AFSCS  
1120 DUMMY, DUMMY  
1130 END  
1140 REPORT, SC, SUPPRESS, REPORT

FIGURE B-1. JG05A/CDEP/SEL.PROG/FIND.WCS

```

02      REPORT GROUP TITLE: FIND ALL WCS
02      LIST OF USER-SELECTED SRD'S
01      XFH,AFT
03      REPORTS TO BE OUTPUT BY COMBINATION REPORTS PROGRAM
02      REPORT C31
01      SRD'S: XFH,AFT
01      WDC'S (**NO NAME**      SET):
01      A
02      REPORT C41
01      SRD'S: XFH,AFT
01      WDC'S (**NO NAME**      SET):
01      A
02      REPORT C22
01      SRD'S: XFH
01      WDC'S (**NO NAME**      SET):
01      A
02      REPORT C21
01      SRD'S: AFT
01      WDC'S (**NO NAME**      SET):
01      A

```

\*

FIGURE B-2. CDEP REPORT INDEX FILE  
JG05A/CDEP/OUTPUT/P2.X1.2

01DUMMY00000

FIGURE B-3. CDEP AFSC INDEX FILE-JG05A/CDEP/OUTPUT/P2.X2.2

X3A310  
A3A310  
X1A220  
A1A210

FIGURE B-4. CDEP REPORT S01 INDEX FILE JG05A/CDEP/OUTPUT/P2.X3.2

```

10##S,R(XL) : ,8,16,58
20$:NOTE:** &FIRSTNAME. ** JG05A/CDEP/JCL/P2.JCL
30$:IDENT:&IDENT.
33$:MSG1:4,GET &TAPE-#. FOR INPUT
35$:MSG1:4,ULGCD.WCS,082926,045
37$:MSG1:4,ULGSEL.WCS,082926,045
40$:OPTION:NOMAP
50$:SELECT:JG05A/CDEP/CSTAR/P2.C
60$:EXECUTE
70$:LIMITS:50,35K,,6K
75$:TAPE9:DA,D1DD,,&TAPE-#.,,&NAME.,,###
80$:DATA:DI
85$:SELECTA:JG05A/CDEP/SEL.PR' 'FLD.WCS
90$:FILE:B4,NULL
100$:SYSOUT:SO,XL
110$:SYSOUT:S1,XL
120$:SYSOUT:DL,XL
130$:PRMFL:X1,W,S,JG05A/CDEP/OUTPUT/P2.X1.2
140$:PRMFL:X2,W,S,JG05A/CDEP/OUTPUT/P2.X2.2
150$:PRMFL:X3,W,S,JG05A/CDEP/OUTPUT/P2.X3.2
160$:TAPE9:CO,C1DD,,,CO.WCS,,***
170$:TAPE9:SR,S1DD,,,SEL.WCS,,***
180$:FILE:RJ,NULL
190$:ENDJOB

```

\*

FIGURE B-5. JG05A/CDEP/JCL/P2.JCL

=RUN JG05A/CDEP/JCL/P2.JCL  
ENTER FIRSTNAME ?  
=NANCY B  
ENTER IDENT ?  
=OS2011N241D ,OS29UG00DW1N  
ENTER TAPE-# ?  
1. =20641  
ENTER NAME ?  
2. =SJ-ZAT

JOB SUBMITTED  
SNUMB # 3381U

FIGURE B-6. SAMPLE CDEP SELECTION PROGRAM RUN  
TO FIND ALL WORK CENTERS



\* BEGIN ACTIVITY -01- GELOAD 08/31/81 SW=000000000000  
 INPUT STARTED WITH #20641 FOR FILE CODE DA GE 600 BTL AFDSC 20641 20641 0001 80217 000  
 OPERATOR STARTED WITH #21472 FOR FILE CODE SR GE 600 BTL AFDSC 21472 21472 0001 81243 000  
 OPERATOR STARTED WITH #25238 FOR FILE CODE CO GE 600 BTL AFDSC 25238 25238 0001 81243 000  
 INPUT CONTINUED WITH #20441 FOR FILE CODE DA GE 600 BTL AFDSC 20441 20641 0002 80217 000  
 \* NORMAL TERMINATION AT 021641 I=5000 SW=000000000000

START 19.794	LINES 172	PROC 0.3475	I/O 0.104	IU 5	MEMORY 35K
STOP 29.346	LIMIT 6144	LIMIT 0.5000	LIMIT	CU 5	M*T 73674
SWAP 0.000					
LAPSE 0.553	FC D TYPE	BUSY	IP/AT	FP/RT	IS/#C MS/#E ADDRESS T#

DI R D191 *	9	0	0	1	1	0-08-12
R* R D191 *	976	0	0	74	74	0-08-12
DA D TAP9	318472		0/00	23402	0	0-16-05 #20641
84 NULL	3	0	0	*	*	0-00-00
S0 SYOUT						
S1 SYOUT						
OL SYOUT						
X1 R D191 P	49	0	0	1	1	0-08-03
X2 R D191 P	43	0	0	1	1	0-08-03
X3 R D191 P	6	0	0	1	1	0-08-03
CO D TAP9	196		0/00	140	0	0-16-06 #25238
SR D TAP9	46765		0/00	2957	0	0-16-07 #21472
RJ NULL	3	0	0	*	*	0-00-00
P* SYOUT						
L* R D191 *	769	0	0	624	624R	0-08-02

LIST	57 LINES AT STA.	XL
RC-43	21 LINES AT STA.	XL
RC-01	56 LINES AT STA.	XL
RC-00	38 LINES AT STA.	XL

PROCESSOR	I/O	CORE	TOTAL
\$ 11.12	\$ 6.12	\$ 40.39	\$ 57.63

SNUMB = 3381U, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000057

FIGURE B-7. SAMPLE SELECTION PROGRAM RUN TO FIND ALL WORK CENTERS (CONT'D)





SNUMB = 3381U, ACTIVITY \* = 01, REPORT CODE = 43, RECORD COUNT = 000021

REPORT S02                    CDEP STANDARD H.I.S. VERSION 1.1  
                             LOG OF USER-INPUT DIRECTIVES  
                             REPORT GROUP TITLE-NOT DEFINED

PAGE    1

REPORT GROUP,TITLE,FIND ALL WCS  
SORTIES,16862  
REPORT,C2  
SRD,AFT  
WDC,A  
REPORT,C2  
SRD,XFH  
WDC,A  
REPORT,C4  
SRD,AFT,XFH  
WDC,A  
WORKCENTERS TO AFSCS  
DUMMY,DUMMY  
END  
REPORT,SC,SUPPRESS,REPORT

\*\*\*\*\* END OF PROCESSING    15 USER-DIRECTIVES

SNUMB = 3381U, ACTIVITY \* = 01, REPORT CODE = 01, RECORD COUNT = 000056

FIGURE B-7. SAMPLE SELECTION PROGRAM RUN TO FIND ALL WORK CENTERS (CONT'D)

CDEP STANDARD H.I.S. VERSION 1.1  
 REPORT S01      USER INPUT SELECTION SUMMARY      PAGE 1  
                  REPORT GROUP TITLE-FIND ALL WCS

MOS VALUE; FROM USER \*\*\*NONE\*\*, FROM 'B4' DATA \*\*\*NONE\*\*

NO. OF SORTIES = 16862

NO. OF FLYING-HOURS = \*\*\*NONE\*\*

WORK CENTER TO AFSC CONVERSIONS  
     DUMMY                  DUMMY

SELECTION OPTION - CATEGORY OF LABOR  
     DEFAULTS USED; ALL

SELECTION OPTION - ASSIGNMENT CODE  
     DEFAULTS USED; ALL

SELECTION OPTION - TYPE MAINTENANCE  
     DEFAULTS USED; Z,W,T,S,P,L,K,J,H,E,D,C,B,A

SELECTION OPTION - QUEEN BEE ENGINES  
     DEFAULTS USED; INCLUDED

SELECTION OPTION - COMPONENT POSITION  
     DEFAULTS USED; EXCLUDED

SELECTION OPTION - ACTIVITY ID/COMMAND ID  
     DEFAULTS USED; ALL

SELECTION OPTION - 3 DIGIT WUC'S  
     DEFAULTS USED; ALL

REPORT GROUP TITLE: FIND ALL WCS

REPORT SA GENERATED

REPORT SB GENERATED

REPORT SC SUPPRESSED

REPORT SD GENERATED

REPORT SE GENERATED

REPORT SF GENERATED

REPORT SG GENERATED

REPORT SH GENERATED

FIGURE B-7. SAMPLE SELECTION PROGRAM RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT S01                    CDEP STANDARD H.I.S. VERSION 1.1  
                              USER INPUT SELECTION SUMMARY  
                              REPORT GROUP TITLE-FIND ALL WCS

PAGE    2

LIST OF USER-SELECTED SRD'S  
XFM,AFT

REPORTS TO BE OUTPUT BY COMBINATION REPORTS PROGRAM

REPORT C31  
SRD'S: XFM,AFT  
WDC'S (\*\*NO NAME\*\*       SET):  
  A

REPORT C41  
SRD'S: XFM,AFT  
WDC'S (\*\*NO NAME\*\*       SET):  
  A

REPORT C22  
SRD'S: XFM  
WDC'S (\*\*NO NAME\*\*       SET):  
  A

REPORT C21  
SRD'S: AFT  
WDC'S (\*\*NO NAME\*\*       SET):  
  A

SNUM8 = 33810, ACTIVITY # = 01, REPORT CODE = 00, RECORD COUNT = 000038

FIGURE B-7. SAMPLE SELECTION PROGRAM RUN TO FIND ALL WORK CENTERS (CONT'D)

INPUT:	NO. OF RECORDS	NO. OF MAN-HOURS
INPUT FROM BASE-LEVEL HISTORY FILE	255928	1011187.0

OUTPUT:	NO. OF RECORDS	NO. OF MAN-HOURS
REJECTED BECAUSE THE RECORD:		
0-DUPLICATES ITS PRECEDING RECORD	47539	89538.6
1-HAS UNWANTED WORKCENTER (INDIRECT)	15215	196272.5
2-HAS UNWANTED SRD	102418	420927.0
3-HAS UNWANTED CATEGORY OF LABOR	0	0.0
4-HAS UNWANTED ACFT ASSIGNMENT CODE	0	0.0
5-HAS UNWANTED ACTIVITY/COMMAND ID	0	0.0
6-HAS AN MDC RECORD-ID OF 2 OR 5	2295	0.0
7-HAS UNWANTED WORKCENTER (DIRECT)	87540	304448.9
8-HAS UNWANTED TYPE-MAINTENANCE CODE	0	0.0
9-HAS UNWANTED QUEEN BEE INDICATOR	0	0.0
10-HAS UNWANTED WHEN-DISCOVERED CODE	0	0.0
11-HAS UNWANTED 3 DIGIT WORKUNIT CODE	0	0.0
12-HAS AN MDC ACTION TAKEN CODE = E	0	0.0
13-DOESN'T FIT A SPECIFIED COMB. RPT.	0	0.0
14-HAS MAN-HOURS = ZERO	0 *	0.0
15-CONTAINS UNRECOGNIZABLE DATA	12	0.0
USED IN SELECTION REPORT		
SA INDIRECT MAN-HOURS REPORTED	0	0.0
SB WORKCENTERS NOT FOUND IN DIRECTIVES	37540 *	304448.9
SC SERIALY CNTRL'D REMOVE/INSTALL	909	0.0
SD SELECTED MAN-HOURS REPORTED	0	0.0
SE SCHEDULED INSPECTIONS REPORTED	0 *	0.0
SF SPECIAL INSPECTION REPORTED	0 *	0.0
SG TCTD WORK REPORTED	0	0.0
SH CANNIBALIZATION WORK REPORTED	0	0.0
PASSED TO THE COMBINATION PROGRAM		
WUC: 04XXX (SPEC. INSPECTION DATA)	0 *	0.0
WUC: 11000+ (OTHER COMB. REPT DATA)	0 *	0.0

\* NOTE: THESE RECORDS AND MANHOURS ARE REPORTED IN OTHER ENTRIES ON THIS REPORT

FIGURE B-7. SAMPLE SELECTION PROGRAM RUN TO FIND ALL WORK CENTERS (CONT'D)

```

#####
#####
          $$$$      $$$$      $$$$      $      $      $
          $      $      $      $      $      $      $
$      $      $      $      $      $      $      $      $      $
          $      $      $      $      $      $      $
          $      $      $      $      $      $      $
          $$$$      $$$$      $$$$      $$$      $$$$
#####
#####
-- 3 0 --      DATE 09-01-81      TIME 15.758      ID = XL      C

```

FIGURE B-7. SAMPLE SELECTION PROGRAM RUN TO FIND ALL WORK CENTERS (CONT'D)

```

10##S,R(XL) : ,8,16,58
20$:NOTE: ** &FIRSTNAME. ** JG05A/CDEP/JCL/P3.JCL
30$:NOTE: ** RUNS CDEP SELECTION REPORTS PROGRAM **
40$:NOTE: ** IN FILE JG05A/CDEP/CSTAR/P3.C
50$:IDENT:&IDENT.
51$:MSG1:4,ULGSORT.WCS,CS2926,045
60$:NOTE: ** COPY 9 TRACK TO 7 TRACK TAPE **
70$:UTILITY
80$:LIMITS:05,10K,,1K
90$:MSG2:1,INPUT REEL =&INTAPE.
100$:FUTIL:IN,SA,REW/IN,SA/,COPY/1F/,REW/IN,SA/
110$:TAPE7:IN,B3D,,&INTAPE.,,SEL.WCS,,###
120$:TAPE7:SA,TOC,,,SORT.WCS,,***
130$:GMAP:NDECK
140:600SM
150:SORT:INOUT,,8
160:FIELD:C13
170:SEQ:A1
180:FILCB:INOUT,**,2
190:END
200$:OPTIONS:NOMAP
210$:EXECUTE
220$:LIMITS:15,35K,,1K
230$:TAPE7:SA,TODD,,,SORT.WCS,,###
240$:FILE:SZ,T1S,228L
250$:FILE:S1,S1R,100R
260$:FILE:S2,S2R,100R
270$:FILE:S3,S3R,100R
280$:OPTION:NOMAP
290$:SELECT:JG05A/CDEP/CSTAR/P3.C
300$:EXECUTE
310$:LIMITS:15,25K,,6K
320$:FILE:T1,T1R
330$:SYSOUT:L1,XL
340$:SYSOUT:L2,XL
350$:ENDJOB

```

FIGURE B-8. JG05A/CDEP/JCL/P3.JCL

=RUN JG05A/CDEP/JCL/P3.JCL  
ENTER FIRSTNAME ?  
=NANCY B  
ENTER IDENT ?  
=0S2011N241D ,0S29UGOODWIN  
ENTER INTAPE ?

1. =21472

JOB SUBMITTED  
SNUMB # 1190U

FIGURE B-9. SAMPLE SELECTION REPORTS  
SUBMISSION TO FIND ALL WORK CENTERS



SS 1190U ENTERED C AT 07.946 FROM TSS/S 0-08-11

```
* BEGIN ACTIVITY -01- UTILIT 09/02/81 SW=010000000000
INPUT STARTED WITH #21472 FOR FILE CODE IN GE 600 9TL AFDSC 21472 21472 0001 81243 000
```

B-19

OPERATOR STARTED WITH #27751 FOR FILE CODE SA GE 600 HTL AFDC 27751 27751 0001 81243 000  
 \* NORMAL TERMINATION AT 006535 I=1040 SW=010000000000

START 8.314 LINES 4 PROC 0.0204 I/O 0.032 IU 5 MEMORY 10K  
 STOP 8.382 LIMIT 1024 LIMIT 0.0500 CU 5 MAT 2465  
 SWAP 0.006 FC D TYPE BUSY IP/AT FP/RT IS/NC MS/WE ADDRESS T#  
 LAPSE 0.068 U\* R 0191 \* 18 0 0 1 1 0-08-12  
 IN D TAP9 43569 0/00 2551 7 0-16-06 #21472  
 SA C TAP7 69386 0/00 2577 0 0-16-11 #27751  
 P\* SYOUT

RC-53 4 LINES AT STA. XL

PROCESSOR I/O CORE TOTAL  
 \$ .65 \$ 1.89 \$ .42 \$ 2.96

\* BEGIN ACTIVITY -02- GMAP 09/02/81 SW=211000000000  
 \* NORMAL TERMINATION AT 002456 I=5020 SW=211000000000

START 8.570 LINES 70 PRDC 0.0004 I/O 0.001 IU 5 MEMORY 24K  
 STOP 8.572 LIMIT 10000 LIMIT 0.0400 CU 5 MAT 115  
 SWAP 0.000 FC D TYPE BUSY IP/AT FP/RT IS/NC MS/WE ADDRESS T#  
 LAPSE 0.001 00 S TAP7 32768 0/00 0 0 0-16-11 #27751  
 G\* R D191 \* 29 0 1 1 0-08-12  
 P\* SYOUT  
 K\* SYOUT  
 C\* SYOUT  
 \*1 R 0191 \* 486 0 0 48 48 0-08-16  
 R\* S D191 \* 52 0 1 24 24 0-08-16

LIST 70 LINES AT STA. XL

PROCESSOR I/O CORE TOTAL  
 \$ .01 \$ .56 \$ .44 \$ 1.01

\* BEGIN ACTIVITY -03- GELOAD 09/02/81 SW=010000000000  
 SORT ENGAGED - VERSION: 7/0008  
 FILE S7 UNSUITABLE FOR COLLATION.

MEMORY: 077704 LINKS: 00300 INPUT: 0320/DOUBLE COLLATION: 1280/DOUBLE TOURNAMENT: 001909 ENTRIES  
 INPUT STARTED WITH #27751 FOR FILE CODE SA GE 600 HTL AFDC 27751 27751 0001 81243 000  
 END OF FILE ON SA. RECORDS HEAD = 00087548. RECORDS ACCEPTED = 00087548. RECORDS DELETED = 00000000.  
 MERGING 00020 STRINGS 07 WAYS.  
 LINK UTILIZATION. ALLOCATED 00300 BORROWED 00000 USED 00220  
 RECORDS INPUT = 00087548. RECORDS OUTPUT = 00087548.

SORT TERMINATES.

\* NORMAL TERMINATION AT 004170 I=0020 SW=010000000000

START 8.572 LINES 21 PROC 0.0657 I/O 0.064 IU 5 MEMORY 35K  
 STOP 8.728 LIMIT 1024 LIMIT 0.1500 CU 35 MAT 20224  
 SWAP 0.000 FC D TYPE BUSY IP/AT FP/RT IS/NC MS/WE ADDRESS T#  
 LAPSE 0.156

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
 RUN TO FIND ALL WORK CENTERS (CONT'D)

S3 R 0191 *	22388	0	0	1200	1200R	0-08-09
P* SYOUT						
L* R 0191 *	489	0	0	624	624R	0-08-02

LIST 21 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
\$ 2.10	\$ 3.73	\$ 10.93	\$ 16.76

\* BEGIN ACTIVITY -04- GELOAD 09/02/81 SW=000000000000  
 \* NORMAL TERMINATION AT 033775 I=5000 SW=000000000000

START 8.730	LINES 248	PROC 0.0209	I/O 0.016	IU 5	MEMORY 25K
STOP 8.776	LIMIT 6144	LIMIT 0.1500	LIMIT	CU 35	M*T 4533
SWAP 0.000					
LAPSE 0.046	FC D TYPE	BUSY	IP/AT	FP/RT	IS/*C MS/*E
					ADDRESS T#
	T1 R 0191 *	53637	0	0	2736 2736
	R* R 0191 *	415	0	0	28 28
	L1 SYOUT				0-08-16
	L2 SYOUT				0-08-12
	P* SYOUT				
	L* R 0191 *	979	0	0	624 624R
					0-08-02

LIST 17 LINES AT STA. XL  
 RC-01 205 LINES AT STA. XL  
 RC-02 25 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
\$ .67	\$ .91	\$ 1.73	\$ 3.31

SNUMB = 1190U, ACTIVITY # = 01, REPORT CODE = 53, RECORD COUNT = 000004

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

1190U 01 09/02/81

UTILITY REPORT 731111

PAGE 1

S FUTIL IN,SA,REW/IN,SA/,COPY/1F/,REW/IN,SA/  
COPIED 1 FILES. 87548 RECORDS IN LAST FILE

SNUMB = 1190U, ACTIVITY # = 02, REPORT CODE = 74, RECORD COUNT = 000070

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

1190U 02 09-02-81. 08.571

PREFACE

PROGRAM BREAK 117  
COMMON LENGTH 0  
V COUNT BITS 5

PRIMARY SYMDEF ENTRY

..... 0

SECONDARY SYMDEF ENTRY

	BLOCK	LENGTH
1	.SMA	1
2	.SMB	1
3	.SMC	1

SYMREF

4 .SRPT  
5 .GACLS  
6 .GAGET  
7 .GAOPE  
10 .GAPTS  
11 .GAPUT  
12 .GCLSE  
13 .GGTBK  
14 .GOUTL  
15 .GREAO  
16 .GWAIT  
17 .SABRT

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

1190U 02 00-02-81 08.571

000000	1	600SM	
000000	2	PORT	INOUT,,8
000074	3	FIELD	C13
000075	4	SEQ	A1
000076	5	FILCB	INOUT,**,2

ERROR LINKAGE

000113	000000000000	000
000114	333333333333	000

6 END

117 IS THE NEXT AVAILABLE LOCATION.

GMAP VERSION/ASSEMBLY DATES JMAP 730601/052373

JMPB 730601/052373

JMPC 730601/052373

THERE WERE NO WARNING FLAGS IN THE ABOVE ASSEMBLY

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

1190U 02 09-02-81 08.571

OCTAL SYMBOL REFERENCES BY ALTER NO.

22	GECALL		2		
106	INDUT	5	2	5	
5	.GACLS		2		
6	.GAGET		2		
7	.GADPE		2		
10	.GAPTS		2		
11	.GAPUT		2		
12	.GCLSE		2		
13	.GCTBK		2		
14	.GCUTL		2		
15	.GREAD		2		
16	.GWAIT		2		
17	.SABRT		2		
74	.SM1	4	2	3	4
1	.SM2	4	2	3	4
0	.SMAX	1	1	2	
0	.SMCX	1	1	2	
0	.SMDX	1	1	2	
0	.SMERR	4	3	4	
1	.SMFLD	3	2	3	
1	.SMSEC	4	2	4	
4	.SRPT		2		

\*\* 21K LIMITS NEEDED FOR THIS ASSEMBLY.

SNUMB = 1190U, ACTIVITY # = 03, REPORT CODE = 74, RECORD COUNT = 000021

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

ORIGIN	DATE	MIDDLE ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	PAGE
11900 03	04-02-81	8.572				1
SUBPROGRAMS INCLUDED IN DECK.						
105660	09/02/81	0000	.....	105660		
	ALOCK COMMON		.SMA	105656		
			.SMR	105654	.SMC	105652
			OPTIONS NOMAP			
SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY						
ALLOCATED CORE			RANGE		SIZE	
RELLOCATABLE			000000 THRU 105777		105000	
\$	TAPE7		100010 THRU 105777		005770	
\$	FILE		SA,1000,,,SORT.WCS,MMW			
\$	FILE		S2,119,228L			
\$	FILE		S1,51R,100R			
\$	FILE		S2,S2R,100R			
\$	FILE		S3,S3R,100R			
4K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY 730517 F/8						
000302 LOCATIONS REQUIRED FOR LOAD TABLE						
EXECUTION PROGRAM ENTERED AT 105660 THROUGH .SETU.						
SNUMB = 11900, ACTIVITY # = 04, REPORT CODE = 74, RECORD COUNT = 000017						

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)



ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	PAGE
11900 04	09-02-61	A.7.50					1
SUBPROGRAMS INCLUDED IN DECK.							
\$	OPTION	NUMAP					
SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY							
ALLOCATED CORE	000000	THRU	061777			SIZE	
RELOCATABLE	026570	THRU	061777			062000	
\$	FILE	11.T1R				033210	
\$	SYSOUT	L1,XL					
\$	SYSOUT	LP,XL					
14K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY 730517 F/H							
000602 LOCATIONS REQUIRED FOR LOAD TABLE							
EXECUTION PROGRAM ENTERED AT 061763 THROUGH .SETU.							
SNUMB = 11900, ACTIVITY N = 04, REPORT CODE = 01, RECORD COUNT = 000205							

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT SA  
 CDEP STANDARD H.I.S. VERSION 1.1  
 MDC INDIRECT MAN-HOURS REPORTED  
 REPORT GROUP TITLE FIND ALL WCS  
 \*\*\*\*\* WARNING: NOT REPORTED AGAINST AN SRD \*\*\*\*\*  
 \*\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA \*\*\*\*\*  
 AFSC      ALT\*\*      CMP\*\*      DTI\*\*      LVE\*\*      TRN\*\*      TOTAL

NO DATA FOR THIS SELECTION REPORT

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT SB  
CDEP STANDARD M.I.S. VERSION 1.1  
REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST  
REPORT GROUP TITLE FIND ALL WGS  
\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA \*\*\*

PAGE 1

WORKCENTER	NDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
41100	145	145	32.5	41220	1471	0	0.0
49006	2	2	3.7	49210	1	0	7.0
4F110	2	2	3.0	4E120	7	32	38.3
4E121	9	8	50.7	4E122	3	3	2.8
4E123	1	1	4.3	4E130	3	3	5.3
4E131	1	1	2.0	4E132	1	1	2.0
4E210	5256	764	12825.4	4E212	1	1	4.0
4F214	972	388	5300.8	4E220	834	704	5332.9
4F230	1383	977	11755.8	4E231	9	4	43.7
4E232	4	4	4.1	4E233	3	3	11.3
4E240	2311	2273	18784.1	4E250	5446	6801	17358.7
4E254	1	1	4.0	4E260	715	676	1264.5
4E310	8	4	48.2	4E320	3841	2157	28461.5
4E330	2	1	16.0	4E331	6	6	18.5
4E333	5	5	10.5	4E340	4	2	33.0
4E341	5	5	21.4	4E342	11	11	28.6
4E343	19	19	54.6	4E350	13	18	35.5
4E360	4	4	20.0	4E361	5	5	9.5
4E362	8	8	12.9	4E370	6	1	7.4
4E390	2	2	4.0	4E121	2	1	4.0
4F122	1	1	2.0	4G111	1957	1695	2236.6
4G112	1482	1356	1851.8	4G113	1299	1289	1534.8
4G114	1528	1468	1662.7	4G115	2059	1977	2041.2
4G116	1495	1443	1401.9	4G120	10	10	20.7

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT SB		REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST					PAGE 2	
CDEP STANDARD M.I.S. VERSION 1.1		REPORT GROUP TITLE FIND ALL WCS						
		*** SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA ***						
WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	
4G121	5652	5623	15657.4	4G122	8517	8484	27162.2	
4G123	10340	10189	35327.1	4G124	3	3	4.0	
4G125	2	2	3.5	4G130	4	4	24.0	
4G131	245	276	996.1	4G132	1631	1559	6000.5	
4G133	341	334	3001.5	4G134	1	1	7.0	
4G310	22	22	81.0	4G312	4	3	20.0	
4G320	22	21	109.4	4G321	2	2	8.0	
4G330	1	1	2.0	4G332	2	2	3.0	
4G340	2	2	2.5	4G341	2	2	2.9	
4G343	3	3	5.5	4G350	1	0	2.0	
4G360	2	2	6.0	4G361	2	2	3.8	
4G390	27	48	51.3	4R110	2301	2018	5687.3	
4R111	1	1	2.0	4R112	5	5	17.8	
4R114	3	3	3.3	4R120	1784	1294	5161.6	
4R121	2	2	3.0	4R122	6	5	35.3	
4R123	12	12	31.9	4R130	2280	2056	4788.6	
4R132	4	4	12.0	4R140	212	134	506.7	
4R150	230	185	1040.2	4R160	1363	1027	2405.3	
4R170	2584	2773	10339.8	4R171	2	2	13.5	
4R173	4	4	10.5	4R180	3040	2726	11450.3	
4R181	2387	1373	11110.3	4R190	2	2	6.3	
4R210	2911	2272	22452.8	4R220	562	507	2441.8	
4R230	9	7	123.5	4R240	8	12	45.5	
4R250	4	4	8.0	4R310	597	1143	1370.8	

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT SR  
CODE STANDARD H.I.S. VERSION 1.1  
REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST  
REPORT GROUP TITLE FIND ALL WGS  
\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA \*\*\*\*

WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
4H320	3064	2087	9585.9	4H330	210	389	402.1
4H340	879	1315	3503.2	4H350	1087	1139	3851.6
4H360	584	436	1745.8	4H370	1437	8641	4356.3
JF214	1	0	6.0	JE320	3	1	24.0
JG123	2	2	25.0	JG130	1	1	8.0

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

## Life

**FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM**  
**RUN TO FIND ALL WORK CENTERS (CONT'D)**

REPORT SD  
 CDEP STANDARD H.I.S. VERSION 1.1  
 \*\*\* SEE USER INPUT SELECTION SUMMARY REPORT 501 FOR SELECTION CRITERIA \*\*\*

AFSC	WUC-->	01000	02000	03***	04***	05000	06000	07000	09000	11000+	TOTAL

PAGE 1

NO DATA FOR THIS SELECTION REPORT

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT SE  
CDEP STANDARD 4.I.S. VERSION 1.1

SCHEDULED-INSPECTION WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS  
\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)



REPORT SF  
CDEP STANDARD H.I.S. VERSION 1.1

SPECIAL-INSPECTION WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS  
\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT SG  
CDEP STANDARD H.I.S. VERSION 1.1

T - C - T - O WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS  
\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

REPORT SM  
CDEP STANDARD H.I.S. VERSION 1.1

CANNIBALIZATION WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS

\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

SNUMB = 1190U, ACTIVITY # = 04, REPORT CODE = 02, RECORD COUNT = 000026

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

```

*** CDEP STANDARD H.I.S. VERSION 1.1
*** SELECTION REPORT PROCESSING LOG ***

HDR -A0000000000000FIND ALL WCS          -CNT=      1
HDR -B00000000000000          -CNT=      2
HDR -C00000000000002016862SORTIES        -CNT=    87543
HDR -D00000000000000FIND ALL WCS          -CNT=    87544
HDR -E00000000000000FIND ALL WCS          -CNT=    87545
HDR -F00000000000000FIND ALL WCS          -CNT=    87546
HDR -G00000000000000FIND ALL WCS          -CNT=    87547
HDR -H00000000000000FIND ALL WCS          -CNT=    87548
***** END OF PROCESSING. INPUT RECORD COUNT IS -CNT=    87549
***** TOTAL SELECTION REPORT OUTPUT PAGE COUNT IS -CNT=    10

```

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

```

#####
#####
      S      S      SSSS      SSSS      S      S
      SS      SS      S      S      S      S      S      S
SSSS      SSSS      S      S      S      S      S      S      SSSS      SSSS
      S      S      SSSS      S      S      S      S
      S      S      S      S      S      S      S
      SSS      SSS      S      SSSS      SSSS
#####
#####
-- 3 0 --      DATE 09-02-81      TIME 09.137      ID = XL      C

```

FIGURE B-10. SAMPLE CDEP SELECTION REPORTS PROGRAM  
RUN TO FIND ALL WORK CENTERS (CONT'D)

**APPENDIX C.**  
**EXTRACT RELEVANT MANHOURS**

**PRECEDING PAGE BLANK-NOT FILLED**

## APPENDIX C. EXTRACT RELEVANT MANHOURS

Case 1: Certain flightline work centers (WC's) need to be replaced with their associated Air Force Specialty Codes (AFSC's).

Case 2: No replacement of work centers with their AFSC's is necessary.

### CASE 1

#### A. LA61A/SUSAN/CDEP/CSTAR/RUN

Function. Replaces work centers with associated AFSC.

Input. Zat tape  
LA61A/SUSAN/CDEP/CSTAR/CHCODES (Compiled). See Figure C-1 for listing of uncompiled version. This COBOL program moves the AFSC's to the WC position.

JG05A/CDEP/CODE/BASE (Figure C-2)

- this file tells the number of and which WC's are to be replaced
- used by LA61A/SUSAN/CDEP/CSTAR/CHCODES program

Output. AFSC tape having AFSC's in the position of the WC's specified in the JG05A/CDEP/CODE file.

JCL. Figure C-3.

Program Submission. Figure C-4.

#### Key

1. Name of output tape, BASE Name-AFSC
- 2-4. Reel numbers of input tapes.
5. Name of base, completes JG05A/CDEP/CODE/ file
6. Name of input tape.

Sample Run. Figure C-5.

#### B. JG05A/BRIGGS/NEWDUMP

Function. Indicates if AFSC tape is good and if all records from Zat tape were transferred to AFSC tape.

Input. AFSC tape.

Output. Computer printout of specified number of records. Many times the records listed will not be those that had the WC's replaced by AFSC's, but the total number of records transferred from zat tape to AFSC tape can be checked.

JCL. Figure C-6.

Program Submission. Figure C-7.

Key

1. Input tape reel number
2. Number of records to be skipped
3. Number of records to be dumped
4. Input tape name

Sample Run. Figure C-8.

C. JG05A/CDEP/JCL/P2.JCL

Function. Provides an output tape with all work centers and AFSC's that have replaced some of the work centers, as input to JG05A/CDEP/JCL/P3.JCL .

Input. AFSC tape  
JG05A/CDEP/SEL.PROG/FIND.WCS (Figure B-1)  
JG05A/CDEP/CSTAR/P2.C

Output. CO.WCS tape, combination data file

SEL.WCS tape, selection reports data file used as input  
to JG05A/CDEP/JCL/P3.JCL

JG05A/CDEP/OUTPUT/P2.X1.2 (Figure B-2)

JG05A/CDEP/OUTPUT/P2.X2.2 (Figure B-3)

JG05A/CDEP/OUTPUT/P2.X3.2 (Figure B-4)

JCL. Figure B-5.

Program Submission. Figure C-9.

Key

1. Input tape reel number
2. Name of input tape

Sample Run. Figure C-10.

D. JG05A/CDEP/JCL/P3.JCL

Function. Indicates if the AFSC movement program, LA61A/SUSAN/CDEP/CSTAR/RUN, worked. AFSC's should show up on the computer print-out together with the work centers that were not changed.

Input. SEL.WCS tape from JG05A/CDEP/JCL/P2.JCL  
JG05A/CDEP/CSTAR/P3.C



Output. SORT.WCS tape, sorted selection records, used as input to JG05A/CDEP/CSTAR/P3.C program.

Computer print-out of all WC's and those AFSC's which replaced some WC's.

JCL. Figure B-8.

Program Submission. Figure C-11.

Key

1. Input tape reel number

Sample Run. Figure C-12.

E. JG05A/CDEP/JCL/DB.CRE

Function. Creates data for OS29/N241D/CDEP/SMALLJCL program.

Input. AFSC tape

JG05A/CDEP/CSTAR/P2.C (uncompiled version in Figure G-1)

JG05A/CDEP/DET.REC (Figure H-1)

For on-equipment maintenance:

JG05A/CDEP/SEL.PROG/ Base 80.1 (Figure C-13) - best guess of AFSC's

JG05A/CDEP/SEL.PROG/ Base 80.2 (Figure C-14) - all inclusive mapping of AFSC's

For off-equipment maintenance:

JG05A/CDEP/ILMMAP/ Base 80 (Figure C-15) - master off-equipment AFSC list.

JG05A/CDEP/OFFMAP/ Base 80 (Figure C-16) - acceptable off-equipment AFSC list.

Output. CO. Base tape, input for OS29/N241D/CDEP/SMALLJCL  
OS29/N241D/CDEP/WCMAP/ Base, (Figure C-17) File containing  
AFSC's used in Analysis Report (those listed in  
JG05A/CDEP/SEL.PROG/ Base 80.1)

JG05A/CDEP/OUTPUT/P2.X1 (Figure C-18) SRD-WDC-RPT-ID index File

JG05A/CDEP/OUTPUT/P2.X2 (Figure C-19) AFSC index file

JG05A/CDEP/OUTPUT/P2.X3 (Figure C-20) S01 index file

Computer print-out, listing AFSC's specified in the Base 80.2 file and relevant manhours, used as a check on best-guess mapping.

Computer print-out of off-equipment maintenance AFSC's, total manhours, and manhours per sortie.

JCL. Figure C-21.

Program Submission. Figure C-22.

Key

1. Input tape reel number
2. Second input tape reel number (otherwise answer none)
3. Name of output tape
4. Name of input tape
5. Base name used in map 1
6. Base name used for OS29/N241D/CDEP/WCMAP/ Base File
7. Base name used in map 2
8. Enter T if Intermediate level maintenance calculations are desired, F if not.
9. Enter base for ILM calculations, enter N if the answer to 8 was F.
10. Number of aircraft types at the base, note space
11. The type of aircraft SRD's
12. Engine SRD's
13. Number of sorties flown, note space

Sample Run. Figure C-23.

CASE 2: No replacement of work centers with their AFSC's is necessary.

A. JG05A/CDEP/JCL/DB.CRE is the first step

Function. Creates data for OS29/N241D/CDEP/SMALLJCL program.

Input. Zat tape-no AFSC tape created in this case.

All other tapes and files are the same as in Case 1.

10000 \* EACH AIRFORCE CODE (AFSC) IS NO LONGER ASSIGNED A  
 10010 \* UNIQUE WORK CENTER CODE (PWC). INSTEAD GROUPS OF  
 10020 \* RELATED AFC'S ARE ASSIGNED ONE PWC. THE AFSC IS  
 10030 \* RECORDED ELSEWHERE IN THE RECORD.  
 10040 \* THE COMPUTER PROGRAMS FOR THE MATHEMATICAL  
 10050 \* MODEL ARE DESIGNED TO USE THE CODE IN POSITIONS 8-12  
 10060 \* OF EACH RECORD, WHERE PREVIOUSLY THE UNIQUE PWC IN THAT  
 10070 \* LOCATION WAS USED TO GET ITS ASSOCIATED AFSC BY LOOKING  
 10080 \* IN A TABLE. THIS PROGRAM WILL REPLACE THE PWC OF A  
 10090 \* RECORD WITH THE AFSC IF THE AFSC IS IN THE USER  
 10100 \* SUPPLIED LIST OF NON-UNIQUE CODES. THESE CODES ARE  
 10110 \* FURTHER DIFFERENTIATED BY HAVING THE 'X' LOCATED IN  
 10120 \* THE 4TH POSITION REPLACED WITH A LETTER OF THE  
 10130 \* ALPHABET. THE FIRST CODE READ FROM THE USER SUPPLIED  
 10140 \* LIST OF CODES TO BE CHANGED HAS ITS 'X' REPLACED BY  
 10150 \* AN 'A', THE SECOND BY A 'B', THE THIRD BY A 'C', ETC.  
 10160 \*  
 10170 \* INPUT--  
 10180 \*  
 10190 \* THE FOLLOWING TERMS DIVIDE THE RECORD INTO PIECES.  
 10200 \* ALLOWING THE PWC AND AFSC TO BE LOCATED.  
 10210 \* JCN --JOB CONTROL NUMBER, 1-7 POSITIONS  
 10220 \* PWC --PERFORMING WORK CENTER, 8-102 POSITIONS  
 10230 \* MIDPART --MIDDLE PART, 13-80 POSITIONS  
 10240 \* AFSC --AIRFORCE SPECIALTY CODE, 81-85 POSITIONS  
 10250 \* ENDPART --ENDPART, 86-160 POSITIONS  
 10260 \*  
 10270 \* THE REST OF THE VARIABLES  
 10280 \* NEWCODE --HOLDS THE COPY OF THE CODES TO BE CHANGED  
 10290 \* WITH THE 4TH LETTER REPLACED  
 10300 \* NCLETTER --USED TO REFER TO THE INDIVIDUAL LETTERS OF  
 10310 \* NEWCODE  
 10320 \* LETTERS & ALPHAB --A LIST OF THE ALPHABET USED TO  
 10325 \* LETTER --INDIVIDUAL CHARACTER OF LETTERS  
 10330 \* REPLACE THE 4TH LETTER OF THE CODES TO BE CHANGED  
 10340 \* CODES --AN ARRAY OF THE CODES TO BE CHANGED  
 10350 \* CODE --ELEMENTS OF CODES  
 10360 \*  
 10370 IDENTIFICATION DIVISION.  
 10380 PROGRAM-ID. CHCODE.  
 10390 REMARKS.  
 10400 PROGRAM.  
 10410 ENVIRONMENT DIVISION.  
 10420 CONFIGURATION SECTION.  
 10430 INPUT-OUTPUT SECTION.  
 10440 FILE CONTROL.  
 10445 \* FILE WITH CHANGED PWC'S WRITTEN TO USER TAPE OF  
 10450 SELECT CDEP-OUTPUT-BASE-DATA ASSIGN TO OT.  
 10455 \* FILE WITH BASE DATA READ FROM USER TAPE IN  
 10460 SELECT CDEP-INPUT-BASE-DATA ASSIGN TO IN.  
 10465 \* FILE WITH CODES TO BE CHANGED ON JG05A/CDEP/CODE/BASENAME

FIGURE C-1. CHCODE LISTING

```

10470      SELECT CDEP-INCODE ASSIGN TO CO.
10480      I-O-CONTROL.
10490      APPLY SYSTEM STANDARD FORMAT ON CDEP-OUTPUT-BASE-DATA
10500      CDEP-INPUT-BASE-DATA CDEP-INCODE.
10510      DATA DIVISION.
10520      FILE SECTION.
10530      FD CDEP-OUTPUT-BASE-DATA LABEL RECORD STANDARD.
10540      01 OUT-DATA.
10550          03 ODATA PIC X(160).
10560      FD CDEP-INPUT-BASE-DATA LABEL RECORD STANDARD.
10570      01 IN-DATA.
10580          03 IDATA PIC X(160).
10590      FD CDEP-INCODE LABEL RECORD STANDARD.
10600      01 CDEP-CODE.
10605          03 FILLER PIC X.
10610          03 ICODE PIC X(5).
10620      WORKING-STORAGE SECTION.
10630      01 NUM PIC 9(5).
10640      01 I PIC 99.
10650      01 EOFSWITCH PIC 9 VALUE 0.
10660      01 ALPHAB PIC A(12) VALUE "ABCDEFGHIJKL".
10670      01 LETTERS REDEFINES ALPHAB.
10680          03 LETTER PIC A OCCURS 12.
10690      01 NEWCODE.
10700          03 NCLETTER PIC A OCCURS 5.
10710      01 CODES.
10720          03 CODE PIC A(5) OCCURS 12.
10730      01 CDEP-RECORD.
10740          03 JCN PIC A(7).
10750          03 PWC PIC A(5).
10760          03 MIDPART PIC A(68).
10770          03 AFSC PIC A(5).
10780          03 ENDPART PIC A(75).
10785      PROCEDURE DIVISION.
10790      *
10791      * MAIN PROGRAM *
10792      *
10793      *
10795      BEGIN-SEC.
10796      * OPEN INPUT & OUTPUT FILES
10800          OPEN INPUT CDEP-INPUT-BASE-DATA.
10810          OPEN INPUT CDEP-INCODE.
10820          OPEN OUTPUT CDEP-OUTPUT-BASE-DATA.
10825      * READ NUMBER OF CODES TO BE CHANGED
10830          READ CDEP-INCODE AT END PERFORM CODE-ERROR.
10840          MOVE ICODE TO NUM.
10845      * READ THE CODES TO BE CHANGED AND THEN CLOSE THE FILE
10850          PERFORM READ-CODE-PARA VARYING I FROM 1 BY 1
10851          UNTIL I IS GREATER THAN NUM.
10860          CLOSE CDEP-INCODE.
10865      * READ THE BASE DATA FILE; CHANGE THE CODES; AND WRITE
10866      * THE NEW BASE DATA FILE
10870          PERFORM READ-CHECK-WRITE-PARA UNTIL EOFSWITCH = 1.

```

FIGURE C-1. CHCODE LISTING (CONT'D)

```

10875 * CLOSE THE FILES AND STOP
10880     CLOSE CDEP-INPUT-BASE-DATA.
10890     CLOSE CDEP-OUTPUT-BASE-DATA.
10895     STOP RUN.
10896 *
10897 *           PARAGRAPHS           *

10898 *
10901 * PARAGRAPH USED WHEN THERE IS AN ERROR IN THE CHANGE
10902 * CODE FILE
10903 CODE-ERROR.
10904     DISPLAY "***ERROR IN CHANGE CODE FILE***".
10905     STOP RUN.
10906 *
10909 * PARAGRAPH USED TO READ THE CHANGE CODE FILE
10910 READ-CODE-PARA.
10920     READ CDEP-INCODE AT END PERFORM CODE-ERROR.
10925     MOVE ICODE TO CODE (1).
10926 *
10931 * PARAGRAPH TO READ A RECORD FROM THE OLD BASE DATA FILE:
10932 * CHECK IF CODE IS TO BE CHANGED AND CHANGE IT IF IS
10933 * BY USE OF PARAGRAPH CHECK-SWITCH-PARA; AND THEN WRITE
10934 * THE UPDATED RECORD ON THE NEW BASE DATA FILE
10934 *
10940 READ-CHECK-WRITE-PARA.
10950     READ CDEP-INPUT-BASE-DATA
10960     AT END MOVE 1 TO EOFSWITCH.
10970     IF EOFSWITCH = 0
10980         MOVE IN-DATA TO CDEP-RECORD.
10990         PERFORM CHECK-SWITCH-PARA VARYING I FROM 1 BY 1
10995         UNTIL I IS GREATER THAN NUM.
20000         MOVE CDEP-RECORD TO OUT-DATA.
20005         WRITE OUT-DATA.
20010 *
20011 * PARAGRAPH USED TO COMPARE THE PWC TO ONE THE
20012 * CODES ON THE CHANGE CODE FILE AND SWITCH IT FOR THE
20013 * AFSC (WITH THE 4TH LETTER CHANGED) IF A MATCH IS MADE
20020 CHECK-SWITCH-PARA.
20030     IF PWC = CODE (1) MOVE AFSC TO NEWCODE.
20040         MOVE LETTER (1) TO NCLETTER (4).
20050         MOVE NEWCODE TO PWC.

```

\*

FIGURE C-1. CHCODE LISTING (CONT'D)

3  
4G121  
4G122  
4G123

\*

FIGURE C-2. JG05A/CDEF/CODE/SJ80

```

100#:#S,R(XL) :.8,16,30
110#:#NOTE: RUN COMPILED COBOL FOR SUSAN
120#      IDENT      &IDENT.                USER01
130#:#MSG1:4,ULG&OUTNAME.,052926,045
140#:#MSG2:1,INPUT REEL1=&REEL1INPUT#.
141#:#MSG2:1,      REEL2=&REEL2/NONE.
142#:#MSG2:1,      REEL3=&REEL3/NONE.
150#:#OPTION:NOMAP
160#:#SELECT:LA61A/SUSAN/CDEP/CSTAR/CHCODES
170#:#EXECUTE
180#:#LIMITS:90,25K.,.3K
190#:#PRMFL:CO,R,S,JG05A/CDEP/CODE/&BASE.
200#:#TAPE9: IN,X1DD.,&REEL1INPUT#.,.&INPUTNAME.,.###
210#:#TAPE9: OT,X2DD.,.&OUTNAME.,.***
220#:#ENDJOB

```

FIGURE C-3. LA61A/SUSAN/CDEP/CSTAR/RUN

```
=RUN LA61A/SUSAN/CDEP/CSTAR/RUN
ENTER IDENT      ?
=OS2011N241D ,OS29UGOODWIN
ENTER OUTNAME    ?
1. =SJ-AFSC
   ENTER REEL1INPUT#  ?
2. =20641
   ENTER REEL2/NONE   ?
3. =20441
   ENTER REEL3/NONE   ?
4. =NONE
   ENTER BASE        ?
5. =SJ80
   ENTER INPUTNAME    ?
6. =SJ-ZAT
```

```
JOB SUBMITTED
SNUMB # 2835U
```

FIGURE C-4. SAMPLE WORK CENTER REPLACEMENT SUBMISSION



SS 2F35U ENTERED C AT 14.177 FROM TSS/S 0-08-08

```

* BEGIN ACTIVITY -01- GELOAD 09/08/81 SW=0000000000000
INPUT STARTED WITH #20641 FOR FILE CODE IN GE 600 BTL AFDSC 20641 20641 0001 86217 000
OPERATOR STARTED WITH #27737 FOR FILE CODE OT GE 600 BTL AFDSC 27737 27737 0001 81251 000
INPUT CONTINUED WITH #20441 FOR FILE CODE IN GE 600 BTL AFDSC 20441 20641 0002 80217 000
OPERATOR ENTERED # 27588 FOR FILE CODE OT SEQ # 002 OUTPUT
OPERATOR CONTINUED WITH #27588 FOR FILE CODE OT GE 600 BTL AFDSC 27588 27737 0002 81251 000
* NORMAL TERMINATION AT 051755 I=5000 SW=0000000000000

```

LIST 17 LINES AT STA. XL

FIGURE C-5. COBOL RUN TO CREATE AFSC TAPE

SNUMB = 2835U, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000017

FIGURE C-5. COBOL RUN TO CREATE AFSC TAPE (CONT'D)

2835U 01 09-00-R1 14.746 PAGE 1

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION
--------	------	--------	----------------	----------------	----------------	----------------	----------------

SUBPROGRAMS INCLUDED IN DECK.

\$ OPTION NOWAP

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

ALLOCATED CORE	RANGE	SIZE
RELLOCATABLE	000000 THRU 061777	062000
\$ PRMEL	044550 THRU 061777	015230
\$ CO,R,S,JG05A/CDEP/CODE/SJ80		
\$ TAPE9	IN,X100,,20641,,SJ-ZAT,.,###	
\$ TAPE9	OT,X200,,.,SJ-AFSC,.,###	

7K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY 730517 F/8

000560 LOCATIONS REQUIRED FOR LOAD TABLE

EXECUTION PROGRAM ENTERED AT 061763 THROUGH .SETU.

FIGURE C-5. COBOL RUN TO CREATE AFSC TAPE (CONT'D)

FIGURE C-5. COBOL RUN TO CREATE AFSC TAPE (CONT'D)

100##S,R(XL) :,8,16,58  
110\$=NOTE:\*\* &FIRSTNAME. \*\* JG05A/BRIGGS/NEWDUMP  
120\$=IDENT:&IDENT.  
130\$=MSG1:4,GET &TAPE#. FOR INPUT  
140\$=UTILITY  
150\$=LIMITS:7,10K,,10K  
160\$=FUTIL:AA,,REW/AA/,  
170\$=ETC:RPT/2P,3T/,SKIP/&SKIP-LEN./,DDUMP/&DUMP-LEN./,  
180\$=ETC:SKIP/1F/,REW/AA/  
190\$=TAPE9:AA,AID,,&TAPE#.,,&TAPENAME.###  
200\$=MSG2:1,INPUT REEL=&TAPE#.  
210\$=ENDJOB

FIGURE C-6. JG05A/BRIGGS/NEWDUMP

```
=RUN JG05A/BRIGGS/NEWDUMP
ENTER FIRSTNAME ?
=NANCY B
ENTER IDENT ?
=0S2011N241D ,0S29UGOODWIN
ENTER TAPE# ?
1. =27737
ENTER SKIP-LEN ?
2. =50000R
ENTER DUMP-LEN ?
3. =100R
ENTER TAPENAME ?
4. =SJ-AFSC
```

```
JOB SUBMITTED
SNUMB # 6505U
```

FIGURE C-7. SAMPLE SUBMISSION TO DUMP AFSC TAPE

A collection of 10 ASCII art drawings of the letter 'S' using various symbols like \$, %, and &. The drawings are arranged in two rows of five. The first row uses '\$' and the second row uses '%'. The styles vary from simple outlines to more complex, filled-in or textured versions.

SS 650SU ENTERED C AT 08.524 FROM TSS/S 0-08-03

```

0001 S      SNUMA      4595U
0002 S      COMMENT    QS298RIGGS      TSS CARDIN
0003 SS     USERID     US298RIGGS=====
0004 S      VOTE        ** HANCY B **  JG05A/BRIGGS/NEWDUMP
0005 S      IDENT       QS2011N2410 ,QS29UG0000WIN
0006 S      VSG1        4,GET 27737 FOR INPUT
0007 AS     UTILITY
0008 S      LIMITS      7,10K,,10K
0009 S      FUTIL       1A,,REW/AA/,
0010 S      ETC         RPT/2P,3T/,SKIP/S0000R/,DDUMP/100R/,
0011 S      ETC         SKIP/1F/,REW/AA/
0012 S      TAPEQ       AA,41D,,27737,,SJ-AFSC==
0013 S      VSG2        1,INPUT REEL=27737
0014 S      ENDJOB

```

TOTAL CARD COUNT THIS JOB = 000014

```

* RESIN ACTIVITY -01- UTILIT 09/09/A1 SW=000000000000
INPUT STARTED WITH #27737 FOR FILE CODE AA GE 500 STL AFQSC 27737 27737 0001 81251 000
INPUT CONTINUED WITH #27588 FOR FILE CODE AA GE 600 STL AFQSC 27588 27737 0002 81251 000
* NORMAL TERMINATION AT 006535 I=1040 SW=000000000000

```

START	0.000	LINES	644	PROC	0.0472	I/G	0.002	IN	S	MEMGRY	10K
STOP	0.009	LIMIT	10240	LIMIT	0.0700	LIMIT		CU	S	MEM	16401
SAP	0.141										
LAPSE	0.521	FC D TYPE	MISSY	IP/AT	FP/RT	IS/RC	MS/RE	ADDRESS	Tz		
		U* R 0191	29	0	0	1	1	0-08-04			
		12 D TAP9	325055		0/C0	23342	0	0-16-07	27737		
		P* SYCUT									

4C-53 545 LIVES AT STA. XL

PROCESSOR	I/O	COPE	TOTAL
\$ 1.51	\$ 5.42	\$ 1.10	\$ 8.03

SNOWP = 55050, ACTIVITY # = 01, REPORT CODE = 53, RECORD COUNT = 000646

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP

6505H 01 09/09/R1 UTILITY REPORT 731111  
 S F011L AA,REW/AA/,  
 S FIC RPT/2P,31//,SKIP/5000R/,ODUMP/100R/,  
 FILE COUNF AA SKIPPED 0 FILES 50000 RECORDS

BLKN	RFCN	RCW(L)	WRDW	LOGICAL DUMP FILE#	I	FILECODE	AA
4546	50001	000000	1	*1306701834105604116140AN3150-2	B	AACFBGJ169011230135160011	AA00061155
		17	W0035E3D00S0S006RHVVGVKAGS43400050101	2200*			
50002	000000	1	*1306701834105604116140AN3150-2	B	AACFBGJ169000700135113011	AA00061155	
		17	W0045E3D00S0S006RHVVGVKAGS43400050101	2200*			
50003	000000	1	*127670993410564006140AN3150-2	B	Z7CFDGGJ169011230144160011	AA00061155	
		17	W0035E3D00S0S006RHVVGVKAGS43400058003	2200*			
50004	000000	1	*127670993410564006140AN3150-2	B	Z7CFDGGJ169000700144113011	AA00061155	
		17	W0045E3D00S0S006RHVVGVKAGS43400058003	2200*			
50005	000000	1	*1056911854105650561402A14032-101-32	B	BAAP0CF290000930123113021	RAA00056	
		17	W0040F3C00S0S006RHVVGVKAGS4330050101	2200*			
50006	000000	1	*1056911854105650561402A14032-101-32	B	HAAP0CF374002215107001521	BAA00056	
		17	W0040F3C00S0S006RHVVGVKAGS4330044003	2200*			
4547 50007	000000	1	*127712793113086999142025A407AA-101-19	B	VAH00FF190011100128153021	142025A407	
		17	F0090E3C00S0S006RHVVGVKAGS4310050101	2200*			
50008	000000	1	*13762655341056511A092039-24975-1	B	RCBH01F290010700136080012	4920F31101	
		17	F0010F3MX0S0S006RHVVGVKAGS4310050101	2200*			
50009	000000	1	*13762628431056511A613075110-1	B	HCNEL9F721010700137080011	4920F31101	
		17	F0010F3MX0S0S006RHVVGVKAGS4310050101	2200*			
50010	000000	1	*12762675431056511A0920F31101A-1	267H	RCUHCAC169011300127160011	4920F31101	
		17	F0030E3MX0S0S006RHVVGVKAGS4310050101	2200*			
50011	000000	1	*10762628431056511A092039-24988-1	B	HCHE1C290011000119110011	4920F31101	
		17	F0010F3MX0S0S006RHVVGVKAGS4310040101	2200*			
50012	000000	1	*13862628431056511A0920F31101A-1	267H	HCHEHFC721011030147130021	4920F31101	
		17	F0050E3MX0S0S006RHVVGVKAGS4310058003	2200*			
50013	000000	1	*13762675431056511A092039-24977-1	B	HCNPH1F721011200137160011	4920F31101	
		17	F0040F3MX0S0S006RHVVGVKAGS4310050101	2200*			
50014	000000	1	*13862628431056511A092039-24947-1	B	HCNPH1C721011300147133011	4920F31101	
		17	F0005F3MX0S0S006RHVVGVKAGS4310058003	2200*			
50015	000000	1	*13862628431056511A092039-24947-1	B	HCNPH1C721011330147140011	4920F31101	
		17	F0005F3MX0S0S006RHVVGVKAGS4310058003	2200*			

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)



640500 01	09/09/81	UTILITY	REPORT	731111	PAGE	2		
50016	000000	1	*1376262543105651184920F311018-1	262H RCH00FF721011200137160021		4920F31101		
		17	0-1 F0000E3NX05050068H1VWGVKAGS310050101	2200*				
50017	000000	1	*1376262543105651184920F311018-1	262H RCH00FF29011200138160021		4920F31101		
		17	0-1 F0000E3NX05050068H1VWGVKAGS310050101	2200*				
45018	000000	1	*1206262543105651184920F311018-1	262H RCH00FF583100005120070011		4920F31101		
		17	0-1 F0000E3NX05050068H1VWGVKAGS310040101	2200*				
50019	000000	1	*1376262543105651184920F311018-1	267H RCH00FF721010700137090021		4920F31101		
		17	0-1 F0000E3NX05050068H1VWGVKAGS310050101	2200*				
50020	000000	1	*1346262543105651184920F311018-1	847H RCH00FF0692000700134120021		4920F31101		
		17	0-1 F0100E3NX05050068H1VWGVKAGS310058003	2200*				
50021	000000	1	*1346262543105651184920F311018-1	847H RCH00FF0692011200134160021		4920F31101		
		17	0-1 F0000E3NX05050068H1VWGVKAGS310058003	2200*				
50022	000000	1	*1196800541205621054720KEC1013	H AF300AF19010700119080021		AF30041207		
		17	6DFW0105 W0020E3RC05050068H1VWGVKAGS3400040101	2200*				
50023	000000	1	*126A752531205621062420D21137	H AF320AF140011230130140021		AF30041207		
		17	6DFW0106 W0030E3RC05050068H1VWGVKAGS3400050101	2200*				
50024	000000	1	*1376710531205601012920F44V2D4	H AF353AF190010700137090021		AF30041207		
		17	6DFW0101 W0040E3RC05050068H1VWGVKAGS3400050101	2200*				
50025	000000	1	*126A752531205621062420F3217	H AF353AF190011100130123021		AF30041207		
		17	6DFW0106 W0030E3RC05050068H1VWGVKAGS3400050101	2200*				
50026	000000	1	*056A742531205601004120010723	H AF370AF190011600057190011		AF30041207		
		17	6DFW0100 W0030F3RC05050068H1VWGVKAGS3400020101	2200*				
50027	000000	1	*115800153120561821730A14076-1	H AJ200AF190011400116160021		AHF004M371		
		17	20TESTCELL W0040E3S105050068H1VWGVKAGS3233040101	2200*				
50028	000000	1	*126A0785312056180228A0P100-3	H AJ200AF140020700127080021		AHF004M371		
		17	20TESTCELL W0020E3S105050068H1VWGVKAGS3233050101	2200*				
45029	000000	1	*12967055310105626206140015	H AG1516J169000700136113011		AG10043107		
		17	60182620 W0040F3V708050068H1VWGVKAGS3400050101	2200*				
50030	000000	1	*12967055310105626206140015	H AG1516J169031600136180012		AG10043107		
		17	60182620 W0020E3V708050068H1VWGVKAGS3400050101	2200*				
50031	000000	1	*12967055310105626206140015	H AG1516J169001230136160011		AG10043107		
		17	60182620 W0035E3V708050068H1VWGVKAGS3400050101	2200*				
50032	000000	1	*12767125310105630014100415	H AG1516J169000700149113011		AG10043107		
		17	70183041 W0005F3V708050068H1VWGVKAGS340005001	2200*				
50033	000000	1	*12767125310105630014100415	H AG1516J169021230149160011		AG10043107		
		17	70183041 W0005F3V708050068H1VWGVKAGS340005001	2200*				

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65050 01	00/00/01	UTILITY	REPORT	73111	PAGE	3	
		17	70183001	W0035E 3V70803006RHHVWGVKAGS3400005R003	2200*		
40000		1	*1486706334108630036100500049A	H AG156J1690070015113021			AG10043106
17		17	901X3003	W0090F 3V00803006RHHVWGVKAGS3400005R003	2200*		
40005		1	*1486706334108630036100500049A	H AG156J169031230151160021			AG10044106
17		17	901X3003	W0070E 3V00803006RHHVWGVKAGS3400005R003	2200*		
40006		1	*12466018313086099945201CA061A	H AF185FF140010015142013011			45201CA061
17		17	A	F0013E 3MA0503006RHHVWGVKAGS3400005R003	2200*		
40007		1	*1427120831308609991190781308	H D01A00FF106010900140110011			1140181304
17		17	F0020E 3W00803006RHHVWGVKAGS3400005R003	2200*			
40008		1	*1266607331308609991190781308	P HMKJ0FM1270110101301030121			114063C521
17		17	45-7	F0000F 3V00803006RHHVWGVKAGS3400005R003	2200*		
40009		1	*1246607331308609991190781308	S AV400X0794011400126150011			6130K860-5
17		17	M	F0010F 3PA0803006RHHVWGVKAGS3400005R003	2200*		
40010		1	*154669118402030151746130K860-5M	S AV900X0794011300154133011			6130K860-5
17		17	M	F0004F 3PA0803006RHHVWGVKAGS3400005R003	2200*		
40011		1	*148660233402030151746130K860-5M	S AV900X0794011300140103011			6130K860-5
17		17	M	F0005F 3PA0803006RHHVWGVKAGS3400005R003	2200*		
40012		1	*1216202842105H1015440201018-6717-00006	A CL7000M070011330121160011			49201K-671
17		17	7-00006	F0005E 3PA0803006RHHVWGVKAGS3400005R003	2200*		
40013		1	*1410020501308609991190781308	H WAFH00K73001023014043021			6625ANALM1
17		17	15	F0040F 3PA0803006RHHVWGVKAGS3400005R003	2200*		
40014		1	*08666065541030011466625C16693	A WAFWAXF749011445086151511			6625C16693
17		17	F0005F 3PA0803006RHHVWGVKAGS3400005R003	2200*			
40015		1	*1366691135402030151746130K860-5M	S WAUGAX079901040013608301120			6625433M00
17		17	70301	F0005F 3PA0803006RHHVWGVKAGS3400005R003	2200*		
40016		1	*14136255402030151746130K860-5M	S WAUGAX079901040013608301120			6625433M00
17		17	70401	F0005F 3PA0803006RHHVWGVKAGS3400005R003	2200*		
40017		1	*111414055402030151746130K860-5M	H WHE1A0H1050109151140491011			6625586210
17		17	F0003E 3PA0803006RHHVWGVKAGS3400005R003	2200*			
40018		1	*111414055402030151746130K860-5M	H WHE1A0H1050109151140491011			6625586210
17		17	F0003E 3PA0803006RHHVWGVKAGS3400005R003	2200*			
40019		1	*111414055402030151746130K860-5M	S WHE1A0H1050109151140491011			6625586210
17		17	F0003E 3PA0803006RHHVWGVKAGS3400005R003	2200*			
40020		1	*1486601831308609991190781308	S WHE1A0H1050109151140491011			6625586210
17		17	F0010F 3PA0803006RHHVWGVKAGS3400005R003	2200*			
40021		1	*1486601831308609991190781308	S WHE1A0H1050109151140491011			6625586210
17		17	F0010F 3PA0803006RHHVWGVKAGS3400005R003	2200*			

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65050 01	09/09/81	UTILITY	REPORT	731111	PAGE	4	
4551	50051	000000	1	*1516913S5420SHT3374625TS621U F0010F3PA0S0S0068HVWGVKAGS420058003	0005200000	S WREIAXQ799010700151080011	66251S621U
			17		2200*		
50052		000000	1	*0866908S5410SHS6396625673D F0005F3PA0S0S0068HVWGVKAGS5410030101	3944400000	A WRSAXF799011030086110011	6625673D
			17		2200*		
50053		000000	1	*1356209S4110SHT2906625TS382FU F0029F3PA0S0S0068HVWGVKAGS4110060101	0257500000	S WDGNAXW799011615165191011	6625TS382F
			17		2200*		
50054		000000	1	*1376637S3330SHS3944920F52571-500 F0040E3PA0S0S0068HVWGVKAGS3330058003	0054100000	B WGAXPFC070010770148093021	4920F52571
			17		2200*		
50055		000000	1	*0226635S3330SHS3944920F52571-500 F0020E3PA0S0S0068HVWGVKAGS3330040101	0054100000	B WGAXPCC106010100117020021	4920F52571
			17		2200*		
50056		000000	1	*0846909S5410SHS184145025A43658-101-110002100000 F0005F3PA0S0S0068HVWGVKAGS5410030101	A WGESDXF799010830084090011	145025A436	
			17		2200*		
50057		000000	1	*1276909S5420SHS1546625XY530T F0010F3PA0S0S0068HVWGVKAGS5420050101	6054400000	S WGGXNXQ79901133012714301120	6625XY530T
			17		2200*		
50058		000000	1	*1346911S5420SHS1546625XY530T F0005F3PA0S0S0068HVWGVKAGS5420050101	6054400000	S WGGXNXQ799010700134073011	6625XY530T
			17		2200*		
50059		000000	1	*1416923S5420SHS1546625XY530T F0005F3PA0S0S0068HVWGVKAGS5420050101	6054400000	S WGGXNXQ799010700141073011	6625XY530T
			17		2200*		
50060		000000	1	*1486926S5420SHS1546625XY530T F0005F3PA0S0S0068HVWGVKAGS5420058003	6054400000	S WGGXNXQ79901130148120011	6625XY530T
			17		2200*		
50061		000000	1	*1356916S5420SHS6006625893AAC F0005F3PA0S0S0068HVWGVKAGS5420050101	0263200000	S WGHUNXQ79901093013510001120	6625893AAC
			17		2200*		
50062		000000	1	*1426920S5420SHS6006625893AAC F0005F3PA0S0S0068HVWGVKAGS5420050101	0263200000	S WGHUNXQ799010800142083011	6625893AAC
			17		2200*		
50063		000000	1	*1496921S5420SHS6006625893AAC F0005F3PA0S0S0068HVWGVKAGS5420058003	0263200000	S WGHUNXQ799011330149140011	6625893AAC
			17		2200*		
50064		000000	1	*1356917S5420SHU7556625887AB F0005F3PA0S0S0068HVWGVKAGS5420050101	6140400000	S WGHUNXQ79901100013510301120	6625887AB
			17		2200*		
50065		000000	1	*1426921S5420SHU7556625887AB F0005F3PA0S0S0068HVWGVKAGS5420050101	6140400000	S WGHUNXQ799010830142090011	6625887AB
			17		2200*		
50066		000000	1	*1486929S5420SHU7556625887AB F0005F3PA0S0S0068HVWGVKAGS5420058003	6140400000	S WGHUNXQ799011300148133011	6625887AB
			17		2200*		
50067		000000	1	*1426208S4110SHU8976625864080PT003 F0052F3PA0S0S0068HVWGVKAGS4110050101	1131100000	S WGLULXW7990 935142234511	6625864080
			17		2200*		
50068		000000	1	*1276209S4110SHU896625ANUSM413 F0052F3PA0S0S0068HVWGVKAGS4110050101	0161700000	S WGLWGXW799011200127160011	6625ANUSM4
			17		2200*		

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

6505H 01 09/09/81	UTILITY REPORT 731111	PAGE 5	
17	13	F0040F3PA0S0S0068RHVWGVKAGS4110050101	2200*
50069	000000	*1354040S4110SHS4316625ME6DU 04R1700000 B WGMEXGR719010930135100021	6625ME6DU
17		F0010E3PA0T0S0068RHVWGVKAGS4110050101	2200*
50070	000000	*1276910S420SHS8706625ANPSM6 3804200000 S WK35AX079901123012713301120	6625ANPSM6
17		F0010F3PA0S0S0068RHVWGVKAGS420050101	2200*
50071	000000	*1346912S420SHS8706625ANPSM6 3804200000 S WK45AX0799010730134080011	6625ANPSM6
17		F0005F3PA0S0S0068RHVWGVKAGS420050101	2200*
50072	000000	*1416924S420SHS8706625ANPSM6 3804200000 S WK35AX0799010730141080011	6625ANPSM6
17		F0005F3PA0S0S0068RHVWGVKAGS420050101	2200*
4553 50073	000000	*1486927S420SHS8706625ANPSM6 3804200000 S WK35AX0799011200148123011	6625ANPSM6
17		F0005F3PA0S0S0068RHVWGVKAGS420050101	2200*
50074	000000	*1414040S4140SHU2826625G66889-006 1746400000 B WK908GR730011710141214521	6625G6689-
17		F0092E3PA0S0S0068RHVWGVKAGS4140050101	2200*
50075	000000	*1156635S3330SH187066252M4BU 0095800000 B WKG0DGM106010005117010021	66252M4BU
17		F001AE3PA0S0S0068RHVWGVKAGS330040101	2200*
50076	000000	*1156908S5420SH18146625LDS102R 0025300000 S XAGXF0799010700115080011	6625LDS102
17		F0010F3PA0S0S0068RHVWGVKAGS420040101	2200*
50077	000000	*1296905S5420SH18146625LDS102R 0025300000 S XAGXF0799011230129133011	6625LDS102
17		F0010F3PA0S0S0068RHVWGVKAGS420050101	2200*
50078	000000	*0856241S4210SH1015492018-6/17-00006 0015600000 J XASFDJT799010800085100011	492018-671
17		F0020F3PA0S0S0068RHVWGVKAGS4210030101	2200*
50079	000000	*1134004S4330SHU7206625ANUPM141A 0027300000 B XRXHYLR105010700115073011	6625ANUPM1
17		F0005E3PA0S0S0068RHVWGVKAGS4330040101	2200*
50080	000000	*0866911S5410SHU8966251600B 0035100000 A XJ658XF799010915086094511	66251600B
17		F0005F3PA0S0S0068RHVWGVKAGS410030101	2200*
50081	000000	*1366909S5420SH13806625RT5 0201100000 S XKF3CX079901090013609301120	6625RT5
17		F0005F3PA0S0S0068RHVWGVKAGS420050101	2200*
50082	000000	*1426919S5420SH13806625RT5 0201100000 S XKF3CX0799010730142080011	6625RT5
17		F0005F3PA0S0S0068RHVWGVKAGS420050101	2200*
50083	000000	*1436923S5420SH13806625RT5 0201100000 S XKF3CX0799010730143080011	6625RT5
17		F0005F3PA0S0S0068RHVWGVKAGS420050101	2200*
4554 50084	000000	*1446920S5420SH13806625RT5 0201100000 S XKF3CX0799010800149090011	6625RT5
17		F0010F3PA0S0S0068RHVWGVKAGS420050101	2200*
50085	000000	*1506910S5420SH13806625RT5 0201100000 S XKF3CX0799011430150150011	6625RT5
17		F0005F3PA0S0S0068RHVWGVKAGS42004003	2200*

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65050 01	09/09/81	UTILITY REPORT 731111	PAGE 6		
50086	000000	1	*134691485420SHU76066251432P	2416300000	S XKX90X079901130013413011
		17	F0005F3PA0S0S0068HVWGVKAGS5420050101	2200*	
50087	000000	1	*141692655420SHU76066251432P	2416300000	S XKX90X0799010830141090011
		17	F0005F3PA0S0S0068HVWGVKAGS5420050101	2200*	
50088	000000	1	*119620484110SHS4316625ME6DU	0481700000	S XK25CXW799011900119221011
		17	F0032F3PA0T0S0068HVWGVKAGS4110040101	2200*	
50089	000000	1	*127620484110SHS4316625ME6DU	0481700000	S XK25CXW799011900119221011
		17	F0045F3PA0T0S0068HVWGVKAGS4110050101	2200*	
50090	000000	1	*1134002854210SHS0196625VM202HR	1277800000	B XLU00GR117011700119180021
		17	R F0020E3PA0S0S0068HVWGVKAGS4210040101	2200*	
50091	000000	1	*141414185420SHT5836625410R	2861800000	B XL95AGR106011300142140011
		17	F0010E3PA0S0S0068HVWGVKAGS5420050101	2200*	
50092	000000	1	*114692285420SHT5836625410R	2861800000	S XL95AX0799011000114110011
		17	F0010F3PA0S0S0068HVWGVKAGS5420040101	2200*	
50093	000000	1	*128690985420SHT5836625410R	2861800000	S XL95AX0799011530128160011
		17	F0005F3PA0S0S0068HVWGVKAGS5420050101	2200*	
50094	000000	1	*135691555420SHT5836625410R	2861800000	S XL95AX079901070013407301120
		17	F0005F3PA0S0S0068HVWGVKAGS5420058003	2200*	
4555 50095	000000	1	*114692185420SHT4506625H96-5245L	0085600000	S XM230X0799010900114100011
		17	45L F0010F3PA0S0S0068HVWGVKAGS5420040101	2200*	
50096	000000	1	*128690985420SHT4506625H96-5245L	0085600000	S XM230X0799011430128153011
		17	45L F0010F3PA0S0S0068HVWGVKAGS5420050101	2200*	
50097	000000	1	*135691485420SHT4506625H96-5245L	0085600000	S XM230X0799010700135073011
		17	45L F0005F3PA0S0S0068HVWGVKAGS5420050101	2200*	
50098	000000	1	*142691855420SHT4506625H96-5245L	0085600000	S XM230X0799010700142073011
		17	45L F0005F3PA0S0S0068HVWGVKAGS5420050101	2200*	
50099	000000	1	*149691485420SHT4506625H96-5245L	0085600000	S XM230X0799010700149040011
		17	45L F0010F3PA0S0S0068HVWGVKAGS5420058003	2200*	
50100	000000	1	*1414139S3120SHU6116625JRM90	B XP77AAF190011200150130021	
		17	0 F0020E3PA0S0S0068HVWGVKAGS5430058003	2200*	

FILE CODE AA SKIPPED 0 FILES 50000 RECORDS

BLK#	REC#	RCW(1)	WRD#	LOGICAL DUMP FILE#	FILE CODE AA
9101100101	000000	1	*1009024321H24AA319	H 74809L0127011220100132011NN	321X2 F004E
		17	6A000319 CC	**0010A1FT01010004TFCWGVKAGR11604R002	1300*

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

6505U 01	09/09/81	UTILITY	REPORT	731111	PAGE	7	
100102	000000	1	*1009024321824A1039		M0010A1F10T0T0T00004TFG6GVKAG4G6116048003	B 748096D127011220100132011NN	321X2 F004E
		17	68000319 CC			1300*	
100103	000000	1	*1114881321824A1039		M0010A1F10T0T0T00004TFG6GVKAG4G6115048002	B 748060D622011630111170021LB	321X2 F004E
		17	74001039 CC			1300*	
100104	000000	1	*1114881321824A1039		M0010A1F10T0T0T00004TFG6GVKAG4G6115048003	B 748060D622011630111170021LB	321X2 F004E
		17	74001039 CC			1300*	
100105	000000	1	*1136409321C24A0297		M0020R1F10T0T0T00004TFG6GVKAG4G6116048002	B 748060D230011630115173021LB	321X2 F004E
		17	66000297 CC			1300*	
100106	000000	1	*1136409321C24A0297		M0020R1F10T0T0T00004TFG6GVKAG4G6116048003	B 748060D230011630115173021LB	321X2 F004E
		17	66000297 CC			1300*	
100107	000000	1	*1125188321C24A0308		M0035R1F10T0T0T00004TFG6GVKAG4G6111048002	B 748060D230012000112214521LB	321X2 F004E
		17	67000308 CC			1300*	
100108	000000	1	*1125188321C24A0308		M0035R1F10T0T0T00004TFG6GVKAG4G6111048003	B 748060D230012000112214521LB	321X2 F004E
		17	67000308 CC			1300*	
100109	000000	1	*1114 1321A24A1193		M0010R1F10T0T0T00004TFG6GVKAG4G6112048002	B 748060D230012300113233021LB	321X2 F004E
		17	73001193 CC			1300*	
100110	000000	1	*1114671321A24A1193		M0010R1F10T0T0T00004TFG6GVKAG4G6112048003	B 748060D230012300113233021LB	321X2 F004E
		17	73001193 CC			1300*	
100111	000000	1	*1005606321A24A8307		M0010R1F10T0T0T00004TFG6GVKAG4G6113048002	B 748060D230012300115233021LB	321X2 F004E
		17	68000307 CC			1300*	
100112	000000	1	*1005606321A24A8307		M0010R1F10T0T0T00004TFG6GVKAG4G6113048003	B 748060D230012300115233021LB	321X2 F004E
		17	68000307 CC			1300*	
100113	000000	1	*1125340321A24A0351		M0010A1F10T0T0T00004TFG6GVKAG4G6112048002	B 748060D080011930112200021LB	321X2 F004E
		17	66000351 CC			1300*	
100114	000000	1	*1125340321A24A0351		M0010A1F10T0T0T00004TFG6GVKAG4G6112048003	B 748060D080011930112200021LB	321X2 F004E
		17	66000351 CC			1300*	
100115	000000	1	*1145404321B24A1042		M0030A1F10T0T0T00004TFG6GVKAG4G6113048002	B 748060D169011800114193021LB	321X2 F004E
		17	74001042 CC			1300*	
100116	000000	1	*1145404321B24A1042		M0030A1F10T0T0T00004TFG6GVKAG4G6113048003	B 748060D169011800114193021LB	321X2 F004E
		17	74001042 CC			1300*	
100117	000000	1	*1145404321B24A1042		M0030A1F10T0T0T00004TFG6GVKAG4G6113048002	B 748060D169011800114193021LB	321X2 F004E
		17	74001042 CC			1300*	
100118	000000	1	*1145404321B24A1042		M0030A1F10T0T0T00004TFG6GVKAG4G6113048003	B 748060D169011800114193021LB	321X2 F004E
		17	74001042 CC			1300*	
100119	000000	1	*1145346321B24A1165		M0030A1F10T0T0T00004TFG6GVKAG4G6113048003	B 748060D169012100114220021LB	321X2 F004E

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

6505U 01 09/09/8:	UTILITY	REPORT	731111	PAGE	R
100120	000000	17	73001165 CC	M0020A1F10T0T0T0004TFGWSVKAG4G116048002	1300* F004E
		17	*1145346321024A1165	H 74HS06D169012100114220021LB	321X2
		17	73001165 CC	M0020A1F10T0T0T0004TFGWSVKAG4G116048003	1300* F004E
100121	000000	17	*1035310321824A0646	H 74HS06D692010800104120022LB	321X2
		17	76000646 CC	M0080A1F10T0T0T0004TFGWSVKAG4G113048002	1300* F004E
100122	000000	17	*1035310321824A0646	H 74HS06D692010800104120022LB	321X2
		17	76000646 CC	M0080A1F10T0T0T0004TFGWSVKAG4G113048003	1300* F004E
9103100123	000000	17	*1105411321824A0298	H 74HS01D127012100110214531LB	321X2
		17	67000298 CC	M0023A1F10T0T0T0004TFGWSVKAG4G114048002	1300* F004E
100124	000000	17	*1105411321824A0298	H 74HS01D127012100110214531LB	321X2
		17	67000298 CC	M0023A1F10T0T0T0004TFGWSVKAG4G114048003	1300* F004E
100125	000000	17	*1095418321C24A1183	H 74BS01D127012140109223021LB	321X2
		17	73001183 CC	M0017A1F10T0T0T0004TFGWSVKAG4G114048002	1300* F004E
100126	000000	17	*1095418321C24A1183	H 74BS01D127012140109223021LB	321X2
		17	73001183 CC	M0017A1F10T0T0T0004TFGWSVKAG4G114048003	1300* F004E
100127	000000	17	*1125310321824A0128	H 74HS01D169011930112203031LB	321X2
		17	72000128 CC	M0030A1F10T0T0T0004TFGWSVKAG4G113048002	1300* F004E
100128	000000	17	*1125310321824A0128	H 74HS01D169011930112203031LB	321X2
		17	72000128 CC	M0030A1F10T0T0T0004TFGWSVKAG4G113048003	1300* F004E
100129	000000	17	*0955429321A24A0165	H 74HS01D169012330095234521LB	321X2
		17	72000165 CC	M0005A1F10T0T0T0004TFGWSVKAG4G111048002	1300* F004E
100130	000000	17	*0955429321A24A0165	H 74HS01D169012330095234521LB	321X2
		17	72000165 CC	M0005A1F10T0T0T0004TFGWSVKAG4G111048003	1300* F004E
100131	000000	17	*0945421321A24A0246	H 74BS01D169011730094180021LB	321X2
		17	67000246 CC	M0010A1F10T0T0T0004TFGWSVKAG4G111048001	1300* F004E
100132	000000	17	*1125334321A24A0334	H 74BS01D169011900112193021LB	321X2
		17	67000334 CC	M0010A1F10T0T0T0004TFGWSVKAG4G111048002	1300* F004E
100133	000000	17	*1125334321A24A0334	H 74BS01D169011900112193021LB	321X2
		17	67000334 CC	M0010A1F10T0T0T0004TFGWSVKAG4G111048003	1300* F004E
4104100134	000000	17	*1165301321A24A0334	H 74BS01D169011300116140021LB	321X2
		17	67000334 CC	M0020A1F10T0T0T0004TFGWSVKAG4G111048002	1300* F004E
100135	000000	17	*1165301321A24A0334	H 74BS01D169011300116140021LB	321X2
		17	67000334 CC	M0020A1F10T0T0T0004TFGWSVKAG4G111048003	1300* F004E
100136	000000	17	*1125334321A24A0334	H 74BS01D1690112203021LB	321X2
		17	66000351 CC	M0010A1F10T0T0T0004TFGWSVKAG4G112048002	1300* F004E

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65050 01	09/09/81	UTILITY	REPORT	731111	PAGE	9		
100137	000000	1	*1125303321A24A0351				M0010A1F1010100004TFG6GVKAG4G112048003	F000E
		17	66000351 CC					
100138	000000	1	*1135358321B24A0649				M0010A1F1010100004TFG6GVKAG4G116048002	F000E
		17	74000649 CC					
100139	000000	1	*1135358321B24A0649				M0010A1F1010100004TFG6GVKAG4G116048003	F000E
		17	74000649 CC					
100140	000000	1	*1115427321A24A1038				M0010A1F1010100004TFG6GVKAG4G111048002	F000E
		17	74001038 CC					
100141	000000	1	*1115427321A24A1038				M0010A1F1010100004TFG6GVKAG4G111048003	F000E
		17	74001038 CC					
100142	000000	1	*1145310321B24A1039				M0020A1F1010100004TFG6GVKAG4G115048002	F000E
		17	74001039 CC					
100143	000000	1	*1145310321B24A1039				M0020A1F1010100004TFG6GVKAG4G115048003	F000E
		17	74001039 CC					
100144	000000	1	*1135323321B24A1165				M0010A1F1010100004TFG6GVKAG4G116048002	F000E
		17	73001165 CC					
9105100145	000000	1	*1135323321B24A1165				M0010A1F1010100004TFG6GVKAG4G116048003	F000E
		17	73001165 CC					
100146	000000	1	*1124672321A24A1182				M0090A1F1010100004TFG6GVKAG4G112048002	F000E
		17	73001182 CC					
100147	000000	1	*1124672321A24A1182				M0090A1F1010100004TFG6GVKAG4G112048003	F000E
		17	73001182 CC					
100148	000000	1	*0795452321A24A1186				M0010A1F1010100004TFG6GVKAG4G112038002	F000E
		17	73001186 CC					
100149	000000	1	*0795452321A24A1186				M0010A1F1010100004TFG6GVKAG4G112038003	F000E
		17	73001186 CC					
100150	000000	1	*0955440321A24A7585				M0010A1F1010100004TFG6GVKAG4G111048002	F000E
		17	69007585 CC					
100151	000000	1	*0955440321A24A7585				M0010A1F1010100004TFG6GVKAG4G111048003	F000E
		17	69007585 CC					
100152	000000	1	*1009016321B24A1166				M0015A1F1010100004TFG6GVKAG4G116048002	F000E
		17	73001166 CC					
100153	000000	1	*1009016321B24A1166				M0015A1F1010100004TFG6GVKAG4G116048003	F000E
		17	73001166 CC					
100154	000000	1	*09933614R1R1A11397				S	F000E

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)



65050 01 09/09/81	UTILITY	REPORT	73111	PAGE	10
100154	000000	17	71001397 CC	M0005A1F101010000TF6WGVKAG4G116048002	1300*
		1	*09933614R1814A1397	S 74RS0P0169011545100160021LB	321X2 F004E
		17	71001397 CC	M0005A1F101010000TF6WGVKAG4G116048003	1300*
9106100156	000000	1	*1019019321B24A0243	B 74HS0P0242012030101214021NN	321X2 F004E
		17	71000243 CC	M0023A1F101010000TF6WGVKAG4G115048002	1300*
100157	000000	1	*1019019321B24A0243	B 74HS0P0242012030101214021NN	321X2 F004E
		17	71000243 CC	M0023A1F101010000TF6WGVKAG4G115048003	1300*
100158	000000	1	*1019019321B24A0243	B 74HS0P0242012030101214021NN	321X2 F004E
		17	71000243 CC	M0023A1F101010000TF6WGVKAG4G115048002	1300*
100159	000000	1	*1019019321B24A0243	B 74HS0P0242012030101214021NN	321X2 F004E
		17	71000243 CC	M0023A1F101010000TF6WGVKAG4G115048003	1300*
100160	000000	1	*09133594R1814A0313	S 74RS0Q1799010740092080021LB	321X2 F004E
		17	68000313 CC	M0007C1F101010000TF6WGVKAG4G116048001	1300*
100161	000000	1	*1009016321B24A1166	B 74HS0Q1799011800100190021NN	321X2 F004E
		17	73001166 CC	M0020C1F101010000TF6WGVKAG4G116048002	1300*
100162	000000	1	*1009016321B24A1166	B 74HS0Q1799011800100190021NN	321X2 F004E
		17	73001166 CC	M0020C1F101010000TF6WGVKAG4G116048003	1300*
100163	000000	1	*09933614R1814A1397	S 74RS0Q1799011630100170031LB	321X2 F004E
		17	71001397 CC	M0015C1F101010000TF6WGVKAG4G116048002	1300*
100164	000000	1	*09933614R1814A1397	S 74RS0Q1799011630100170031LB	321X2 F004E
		17	71001397 CC	M0015C1F101010000TF6WGVKAG4G116048003	1300*
100165	000000	1	*0995382321C24A0307	B 74HS0XD1799011900099200021LB	321X2 F004E
		17	68000307 CC	M0020C1F101010000TF6WGVKAG4G113048001	1300*
100166	000000	1	*0995382321C24A0351	H 74HT0GD070010200098023021LB	321X2 F004E
		17	66000351 CC	M0010A1F101010000TF6WGVKAG4G112048001	1300*
9107100167	000000	1	*1115301321B24A0135	B 74HT0L0169011600111163021LB	321X2 F004E
		17	72000135 CC	M0010A1F101010000TF6WGVKAG4G114048002	1300*
100168	000000	1	*1115301321B24A0135	B 74HT0L0169011600111163021LB	321X2 F004E
		17	72000135 CC	M0010A1F101010000TF6WGVKAG4G114048003	1300*
100169	000000	1	*1115353321B24A1397	H 74RT0L0169011800111183021LB	321X2 F004E
		17	71001397 CC	M0010A1F101010000TF6WGVKAG4G116048002	1300*
100170	000000	1	*1115353321B24A1397	B 74HT0L0169011800111183021LB	321X2 F004E
		17	71001397 CC	M0010A1F101010000TF6WGVKAG4G116048003	1300*
100171	000000	1	*1065454321A24A1624	B 74HT0L0169010300107041021LB	321X2 F004E
		17	74001624 CC	M0023A1F101010000TF6WGVKAG4G112048002	1300*

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65040 01	00/09/81	UTILITY	REPORT	73111	PAGE	11
100172	000000	1	*1065054321A24A1624		M0023A1F101010004TFCGCVKAG4G112048003	F000E
		17	74001624 CC		B 74HT0LD169010300107041021LB 321X2	
100173	000000	1	*1065443321A24A1646		M0010A1F101010004TFCGCVKAG4G111048002	F000E
		17	74001646 CC		B 74HT0LD169010330107040021LB 321X2	
100174	000000	1	*1065443321A24A1646		M0010A1F101010004TFCGCVKAG4G111048003	F000E
		17	74001646 CC		B 74HT0LD169010330107040021LB 321X2	
100175	000000	1	*0955423321A24A17585		M0010A1F101010004TFCGCVKAG4G111048002	F000E
		17	64007585 CC		B 74HT0LD169011700095173021LB 321X2	
100176	000000	1	*0955423321A24A17585		M0010A1F101010004TFCGCVKAG4G111048003	F000E
		17	64007585 CC		B 74HT0LD169011700095173021LB 321X2	
100177	000000	1	*1009016321B24A1166		M0015A1F101010004TFCGCVKAG4G116048002	F000E
		17	73001166 CC		B 74HT0PD169011730100181521NN 321X2	
9108100178	000000	1	*1009016321B24A1166		M0015A1F101010004TFCGCVKAG4G116048003	F000E
		17	73001166 CC		B 74HT0PD169011730100181521NN 321X2	
100179	000000	1	*1075369321C24A1631		M0005A1F101010004TFCGCVKAG4G115048001	F000E
		17	74001631 CC		B 74HT0PD583011645107170021LB 321X2	
100180	000000	1	*1009016321B24A1166		M0020C1F101010004TFCGCVKAG4G116048002	F000E
		17	73001166 CC		B 74HT0PD799011900100200021NN 321X2	
100181	000000	1	*1009016321B24A1166		M0020C1F101010004TFCGCVKAG4G116048003	F000E
		17	73001166 CC		B 74HT0PD799011900100200021NN 321X2	
100182	000000	1	*1075369321C24A1641		M0010C1F101010004TFCGCVKAG4G115048001	F000E
		17	74001631 CC		B 74HT0PD7990118001071H3021LB 321X2	
100183	000000	1	*0955382321C24A0274		M0010A1F101010004TFCGCVKAG4G115048001	F000E
		17	67000274 CC		B 74HT0PD169012130095220021LB 321X2	
100184	000000	1	*0985431321A24A0305		M0010A1F101010004TFCGCVKAG4G114048002	F000E
		17	66000305 CC		B 74HT0PD583010100099013021LB 321X2	
100185	000000	1	*0985431321A24A0305		M0010A1F101010004TFCGCVKAG4G114048003	F000E
		17	66000305 CC		B 74HT0PD583010100099013021LB 321X2	
100186	000000	1	*0993304321C24A1039		M0010C1F101010004TFCGCVKAG4G115048001	F000E
		17	74001039 CC		B 74HT0PD749012100099213021LB 321X2	
100187	000000	1	*0985431321A24A0305		M0010C1F101010004TFCGCVKAG4G114048002	F000E
		17	66000305 CC		B 74HT0PD799010130099020021LB 321X2	
100188	000000	1	*0985431321A24A0305		M0010C1F101010004TFCGCVKAG4G114048003	F000E
		17	66000305 CC		B 74HT0PD799010130099020021LB 321X2	
9109100189	000000	1	*0993304321C24A1039		B 74HT0PD799010600102070021LB 321X2	F000E

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)



65050 01	09/09/81	UTILITY	REPORT	731111	PAGE	13
13656150206	000000	17		F0160F3PA0T0T0004TFCGKAG4R500028007	2400*	
		17		0617100000 J WEHZAJT799010930081104011	2400*	X324X0 6625606A
		17		F0012F3PA0T0T0004TFCGKAG4R500038015	2400*	
150207	000000	17		0617100000 S WFAHAXR799010730085110011	2400*	324X0 6625606A
		17		F0035F3PA0T0T0004TFCGKAG4R500038017	2400*	
150208	000000	17		0617100000 J WEHZAJT799010730085110011	2400*	324X0 6625606A
		17		F0015E3PA0T0T0004TFCGKAG4R110038014	2400*	
150209	000000	17		0359000000 J WEHZAJT799010830077093011	2400*	X324X0 66256152A
		17		F0010F3PA0T0T0004TFCGKAG4R9205038010	2400*	
150210	000000	17		06156500000 B WFAHAXR799011600085170011	2400*	X324X0 66256152A
		17		F0010F3PA0T0T0004TFCGKAG4R130038020	2400*	
150211	000000	17		0364700000 J WEHZAJT799010730077083011	2400*	X324X0 66256152A
		17		F0010F3PA0C0T0004TFCGKAG4R465A0038010	2400*	
150212	000000	17		0373300000 J WEHZAJT799011200086130021	2400*	X324X0 66256152A
		17		F0020F3PA0S0T0004TFCGKAG4R120038015	2400*	
150213	000000	17		5188200000 J WEHZAJT799010730066153011	2400*	324X0 6625653A
		17		F0080F3PA0T0T0004TFCGKAG4R500038003	2400*	
150214	000000	17		5188200000 J WEHZAJT799010730067153011	2400*	324X0 6625653A
		17		F0080F3PA0T0T0004TFCGKAG4R500038003	2400*	
150215	000000	17		5188200000 J WEHZAJT799010730070104011	2400*	X324X0 6625653A
		17		F0032E3PA0T0T0004TFCGKAG4R500038003	2400*	
150216	000000	17		0004300000 J WEHZAJT799010730077153011	2400*	324X0 6625ANAPM2
		17		F0080F3PA0T0T0004TFCGKAG4R110038010	2400*	
150217	000000	17		00043 J WEHZAJT799010730079153011	2400*	324X0 6625ANAPM2
		17		F0080F3PA0T0T0004TFCGKAG4R110038020	2400*	
150218	000000	17		0004300000 J WEHZAJT799010730078153011	2400*	324X0 6625ANAPM2
		17		F0080F3PA0T0T0004TFCGKAG4R110038010	2400*	
150219	000000	17		7715000000 J WEHZAJT799011600091160021	2400*	X324X0 6625HR36W1
		17		F0040F3PA0S0T0004TFCGKAG4R330038018	2400*	
150220	000000	17		7715500000 J WEHZAJT799011600091160021	2400*	X324X0 6625HR36W1
		17		F0020F3PA0S0T0004TFCGKAG4R330038018	2400*	
150221	000000	17		0001000000 J WEHZAJT799011600091160021	2400*	X324X0 6625HR36W1
		17		F0060F3PA0T0T0004TFCGKAG4R100038015	2400*	
150222	000000	17		0222800000 R WEHZAJT799010930081104011	2400*	X324X0 4930779977
		17		F0050F3PA0T0T0004TFCGKAG4R301028002	2400*	

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65050 01	09/09/81	UTILITY REPORT	731111	PAGE	14	
150223	000000	1	*08476684R5004HC2006625650A F0060F3PA0T0T0004TFCWGVKAG4R50003R015	0003900000	J WFU00JT7490107300A0103021	X324X0 6625650A
150224	000000	17		2400*		
150225	000000	1	*08476694R5004HC2026625650A F0040F3PA0T0T0004TFCWGVKAG4R50003R015	0005800000	J WFU00JT7990110300R4123021	X324X0 6625650A
150226	000000	17		2400*		
150227	000000	1	*08576524R5004HC2036625650A F0015F3PA0T0T0004TFCWGVKAG4R50003R017	00070	J WFU00JT749010730065110011	324X0 6625650A
150228	000000	17		2400*		
150229	000000	1	*08476684R5004HC2006625650A F0023F3PA0T0T0004TFCWGVKAG4R50003R017	0003900000	S WFU00XR799011415085163011	324X0 6625650A
150230	000000	17		2400*		
150231	000000	1	*08476694R5004HC2026625650A F0023F3PA0T0T0004TFCWGVKAG4R50003R017	0005800000	S WFU00XR7990112000R5141511	324X0 6625650A
150232	000000	17		2400*		
150233	000000	1	*06476634R5004HC9136625ANURM250 F0080F3PA0T0T0004TFCWGVKAG4R50003R015	0039500000	J WFW0AJT799010730070153011	X324X0 6625ANURM2
150234	000000	17		2400*		
150235	000000	1	*03676524R5004HC9766625A8310NR F0020F3PA0T0T0004TFCWGVKAG4R50003R017	7431600000	H WGA0V9F130010930087103021	324X0 6625A8310N
150236	000000	17		2400*		
150237	000000	1	*08075244R1604HE29561300CK10E24010 F0020E3PA0T0T0004TFCWGVKAG4R50003R016	0008	WGAJMLF1270112000R0140011	423X0 61301TK28A
150238	000000	17		2400*		
150239	000000	1	*08075244R1604HE29561300CK10E24010 F0010E3PA0T0T0004TFCWGVKAG4R50003R016	0008	WGAJMLF1270010000R0110011	423X0 61301TK28A
150240	000000	17		2400*		
150241	000000	1	*06076534R500SHS6706685HL1 F0035F3PA0S0T0004TFCWGVKAG5320103R017	0006000000	H WGAJYJF799011300064163011	X324X0 6685HL1
150242	000000	17		2400*		
150243	000000	1	*04276630R5004HD0325210H71 F0075F3PA0T0T0004TFCWGVKAG4R21002R002	7341400000	H WGAJYJF799010900043113031	X324X0 5210H71
150244	000000	17		2400*		
150245	000000	1	*07476584R5004HC6816685FA112 F0010F3PA0T0T0004TFCWGVKAG4R22003R015	1365000000	J WGAJYJF7990115000R5160011	X324X0 6685FA112
150246	000000	17		2400*		
150247	000000	1	*07476634R500SHS2756670044 F0015F3PA0S0T0004TFCWGVKAG5315003R017	0000400000	J WGH561635011030087120011	324X0 6670044
150248	000000	17		2400*		
150249	000000	1	*08176524R5004HD1526625PA1512410A21410A30000 F0050F3PA0T0T0004TFCWGVKAG4R16003R015	0000400000	J WGHJYJF7990114000R6163021	X324X0 6625PA1512
150250	000000	17		2400*		
150251	000000	1	*05176714R5004HC617663500P30 F0015F3PA0T0T0004TFCWGVKAG4R25002R002	0011300000	H WGHJYJF799010730057090011	X324X0 663500P30
150252	000000	17		2400*		
150253	000000	1	*03676624R500SHS004R4925100072 F0002F3PA0S0T0004TFCWGVKAG531003R015	0000200000	H WGHJYJF7990115000R65151011	324X0 4925100072
150254	000000	17		2400*		
150255	000000	1	*02976724R5004HD12994925113 F0010F3PA0T0T0004TFCWGVKAG4R35002R002	0002300000	H WGHJYJF7990114300R45153011	X324X0 4925113
150256	000000	17		2400*		
150257	000000	1	*02976714R5004HDJ3004925115 F0002F3PA0S0T0004TFCWGVKAG531003R015	0002400000	H WGHJYJF7990115300R45163011	X324X0 4925115

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65050 01	09/09/81	UTILITY	REPORT	73111	PAGE	15	
		17		F0010F3PA01010004TFCGKVKAG4F35002A002		2400*	
150241	000000	1	*06676730050004HA100668518028-1	1013000000 J WGCCKJT799011200067140021		2400*	X324X0 660518028-
		17		F0040F3PA01010004TFCGKVKAG4H16003A002		2400*	
150242	000000	1	*06676740050004HA102668518028-1	1012800000 J WGCCKJT799011400067163021		2400*	X324X0 660518028-
		17		F0050F3PA01010004TFCGKVKAG4H16003A002		2400*	
150243	000000	1	*08476504050004HF796668518687	7902100000 J WGCCKJT799011400091143021		2400*	X324X0 660518687
		17		F0010F3PA01010004TFCGKVKAG4952203801H		2400*	
150244	000000	1	*08476714050004HF796668518687	7902000000 J WGCCKJT799011300091133011		2400*	X324X0 660518687
		17		F0005F3PA01010004TFCGKVKAG4952203801A		2400*	
150245	000000	1	*09176564050004HF796668518687	7902200000 J WGCCKJT799011330091140011		2400*	X324X0 660518687
		17		F0005F3PA01010004TFCGKVKAG4952203801B		2400*	
150246	000000	1	*07776764050004HC53166850812P	0076300000 J WGLJJJT799010830079093021		2400*	X324X0 66050812P
		17		F0020F3PA01010004TFCGKVKAG4H50003A012		2400*	
150247	000000	1	*07776764050004HC53166850812P	0076300000 S WGLJJJT799010730080120011		2400*	324X0 66050812P
		17		F0045F3PA01010004TFCGKVKAG4R50003A017		2400*	
150248	000000	1	*03076810050004HJ3126852191-0502	0001900000 B WGCCKKV127011430031150011		2400*	X324X0 66052191-05
		17		F0005F3PA01010004TFCGKVKAG49522018002		2400*	
150249	000000	1	*03076840050004HJ31466852191-0502	0002600000 B WGCCKKV127011300031133011		2400*	X324X0 66052191-0
		17		F0005F3PA01010004TFCGKVKAG49522018002		2400*	
150250	080000	1	*07476640050004HA24766852191-0502	7504500000 J WGCCKJT799010830085090021		2400*	X324X0 66052191-0
		17		F0010F3PA01010004TFCGKVKAG49522038015		2400*	
150251	000000	1	*08476674050004HF77866852191-0502	7513600000 J WGCCKJT799011030091110021		2400*	X324X0 66052191-0
		17		F0010F3PA01010004TFCGKVKAG4952203801A		2400*	
150252	000000	1	*03076854050004HJ31566852191-0503	0002500000 B WGCCKKV127011400031143011		2400*	X324X0 66052191-0
		17		F0005F3PA01010004TFCGKVKAG49522018002		2400*	
150253	000000	1	*03076864050004HJ31666852191-0503	0002300000 B WGCCKKV127011500031160011		2400*	X324X0 66052191-0
		17		F0010F3PA01010004TFCGKVKAG49522018002		2400*	
150254	000000	1	*03076874050004HJ31766852191-0503	0002100000 B WGCCKKV127011600031163011		2400*	X324X0 66052191-0
		17		F0005F3PA01010004TFCGKVKAG49522018002		2400*	
150255	000000	1	*07476654050004HA23766852191-0503	7405900000 J WGCCKJT799010730091083011		2400*	X324X0 66052191-0
		17		F0010F3PA01010004TFCGKVKAG4952203801A		2400*	
150256	000000	1	*09176534050004HF77666852191-0503	7707200000 J WGCCKJT79901090091093021		2400*	X324X0 66052191-0
		17		F0010F3PA01010004TFCGKVKAG4952203801A		2400*	
150257	000000	1	*07476664050004HF77766852191-0503	7514000000 J WGCCKJT799011430085150011		2400*	X324X0 66052191-0
		17		F0005F3PA01010004TFCGKVKAG49522038015		2400*	

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

64050 01	00/09/81	UTILITY	REPORT	73111	PAGE	14	
150254	000000	1	0084767000500040F	79066652191-0503	7901200000	J WGCMLJT799010930091100011	X324X0 66852191-0
		17	503	F0005F3PA0T010004TFCWGVKAG8952203801A		2400*	
150250	000000	1	0031767200500030U	9749852197	7904200000	H WGCMMXJF799010830051040021	324X0 54852197
		17		F0010F3PA0S010004TFCWGVKAG89130028002		2400*	
150260	000000	1	00317673005000500	3859852197	0793400000	H WGCMMXJF799011530052160011	324X0 59852197
		17		F0005F3PA0S010004TFCWGVKAG89130028002		2400*	
150261	000000	1	0060765400500040C	0495210222	1057300000	J WGCXL91561010930065100021	X324X0 5210222
		17		F0010F3PA0T010004TFCWGVKAG89340038002		2400*	
150262	000000	1	0067765800500050S	155766855406507	0278200000	J WGC71K1127010900070110031	X324X0 6685540650
		17		F0060F3PA0S010004TFCWGVKAG893310038004		2400*	
150263	000000	1	0067766100500050S	155366855406507	0001600000	J WGC71J7799011430070163031	X324X0 6685540650
		17		F0060F3PA0S010004TFCWGVKAG893310038004		2400*	
150264	000000	1	0067765900500050S	155866855406507	7303000000	J WGC71J7799011100070150031	X324X0 6685540650
		17		F0060F3PA0S010004TFCWGVKAG893310038004		2400*	
150265	000000	1	0067765700500050S	156166855406507	7303300000	J WGC71J77990110730070090031	X324X0 6685540650
		17		F0005F3PA0S010004TFCWGVKAG893310038004		2400*	
150266	000000	1	0067766000500050S	156266855406507	7303400000	J WGC71J7799011300070143031	X324X0 6685540650
		17		F0005F3PA0S010004TFCWGVKAG893310038004		2400*	
150267	000000	1	0097652005000500S	184752100000000	8004100000	H WGDHJKF127010730044090011	X324X0 5210000010
		17		F0019E3PA0S010004TFCWGVKAG893201028002		2400*	
150268	000000	1	0095766400500040H	156466855406507	6927000000	H WGDHJWF799011100050120011	X324X0 6685MILG77
		17		F0010F3PA0T010004TFCWGVKAG89502028002		2400*	
150269	000000	1	0074766100500040H	173466855406507	0671600000	J WGDHJWF799011030087123021	X324X0 6685MILG77
		17		F0000F3PA0T010004TFCWGVKAG89502038017		2400*	
150270	000000	1	0095766500500040H	173566855406507	7326000000	H WGDHJWF799010800050083011	X324X0 6685MILG77
		17		F0005F3PA0T010004TFCWGVKAG89502028002		2400*	
150271	000000	1	0074766200500040H	173666855406507	0681700000	J WGDHJWF799010900087103021	X324X0 6685MILG77
		17		F0005F3PA0T010004TFCWGVKAG89502038017		2400*	
150272	000000	1	0074766000500040H	173766855406507	7313800000	J WGDHJWF799011230087140021	X324X0 6685MILG77
		17		F0030F3PA0T010004TFCWGVKAG89502038017		2400*	
150273	000000	1	0095766400500040H	173866855406507	6919500000	H WGDHJWF799010900050093011	X324X0 6685MILG77
		17		F0005F3PA0T010004TFCWGVKAG89502028002		2400*	
150274	000000	1	0095765600500040H	173966855406507	6920200000	H WGDHJWF799010730050080011	X324X0 6685MILG77
		17		F0005F3PA0T010004TFCWGVKAG89502028002		2400*	
150275	000000	1	0095766200500040H	174066855406507	0074200000	H WGDHJWF799011000050110011	X324X0 6685MILG77

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

65040 01 09/09/81	UTILITY REPORT 73111	PAGE 17	
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150276	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150277	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150278	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150279	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150280	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150281	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150282	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150283	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150284	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150285	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150286	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150287	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150288	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150289	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150290	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150291	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*
150292	000000	00747659005004HF1046665M1G7734H	0654000000 J WGDHWT799010730087090121
17	348	F0010F3PA0T0T0004TFGWCVKAG495020P002	2400*

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)



650500 01	09/09/81	UTILITY	REPORT	731111	PAGE	18	
150293	000000	1	*30576614R500SHU20566251805A	0180000000	B WGFZJCF721011310065133011	324X0	66251805A
		17	F0003F3PA0S0T0004TFCGKAGS4130038002	2400*			
13664150294	000000	1	*04676994R5004HC1344920520670	0013700000	B WGGHVFV080011130060143021	X324X0	4920520670
		17	F0060E3PA0T0T0004TFCGKAG4E240028002	2400*			
150295	000000	1	*04676594R5004HD8A24920520670	0024200000	B WGGHVFV080010930060113021	X324X0	4920520670
		17	F0040E3PA0T0T0004TFCGKAG4E240028002	2400*			
150296	000000	1	*07076644R5004JHA1024920520670	0027600000	J WGGHVKTS61011030079113021	X324X0	4920520670
		17	F0020E3PA0J0T0004TFCGKAGJ9205038010	2400*			
150297	000000	1	*066076614R5004HD8A14920520670	0013700000	J WGGHVTJ799010730060093021	X324X0	4920520670
		17	F0040F3PA0T0T0004TFCGKAG4E240028002	2400*			
150298	000000	1	*07176564R5004HA5026625901	0341500000	B WGGCJF799011200072163021	X324X0	6625901
		17	F0090F3PA0T0T0004TFCGKAG4R360038007	2400*			
150299	000000	1	*07276584R5004YHA2006625ANUSM323	0021500000	B WGGVBGF7190107300730083011	324X0	6625ANUSM3
		17	F0010E3PA0Y0T0004TFCGKAGY65A0038007	2400*			
150300	000000	1	*07776694R5004HF1706625ANUSM323	0162600000	J WGGVBJF799010730081153011	X324X0	6625ANUSM3
		17	F0080F3PA0T0T0004TFCGKAG4R500038012	2400*			

3 ETC SKIP/1F/.REW/AA/ 1 FILES. 255928 RECORDS IN LAST FILE  
FILE CODE AA SKIPPED

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

FIGURE C-8. SAMPLE RUN OF AFSC TAPE DUMP (CONT'D)

=RUN JG05A/CDEP/JCL/P2.JCL  
ENTER FIRSTNAME ?  
=NANCY B  
ENTER IDENT ?  
=0S2011N241D ,0S29UGOODWIN  
ENTER TAPE-# ?  
1. =27737  
ENTER NAME ?  
2. =SJ-AFSC

JOB SUBMITTED  
SNUMB # 7014U

FIGURE C-9. SAMPLE SELECTION PROGRAM SUBMISSION  
TO FIND ALL AFSCS

```
0005 9 IDENT QS2011N2410 ,QS29UGOODWIN  
#####  
#####
```

SS 70140 ENTERED C AT 11-066 FROM TSJ/S 0-02-10

```

0001 S      SNUM9      7014U
0002 S      COMMENT   QS299RIGGS      TSS CARDIN
0003 SS     USERID    QS299RIGGS#####
0004 S      ANGE      ** NANCY B **   JG05A/COEP/JCL/P2.JCL
0005 S      IDENT     QS201142410 ,QS29UG000WIN
0006 S      MSG1      4,GET 27737 FOR INPUT
0007 S      MSG1      4,ULGCG.XCS,QS2926,04S
0008 S      MSG1      4,JLSEL.XCS,CS2926,04S
0009 S      OPTION    NOMAP
0010 SS     SELECT    JG05A/COEP/CSTAR/P2.C
0011 * S     OBJECT    F/B-NEI500
0013 AS     EXECUTE
0014 S      LIMITS     50,35K,,6K
0015 S      TAPE9      7A,0100,,,27737,,SJ-AFSC,,###
0016 S      DATA      01
0017 S      FILE       44,NULL
0018 S      SYSOUT     50,XL
0019 S      SYSOUT     51,XL
0020 S      SYSOUT     0L,XL
0021 SS     PRMFL      X1,,S,JG05A/COEP/OUTPUT/P2.X1.2
0022 SS     PRMFL      X2,,S,JG05A/COEP/OUTPUT/P2.X2.2
0023 SS     PRMFL      X3,,S,JG05A/COEP/OUTPUT/P2.X3.2
0024 S      TAPE9      00,0100,,,,CG.XCS,,***
0025 S      TAPE9      5R,0100,,,SEL.WCS,,***
0026 S      FILE       RJ,NULL
0027 S      ENDJOB

```

FIGURE C-10. SAMPLE SELECTION PROGRAM RUN TO FIND ALL AFSCS

```

* BEGIN ACTIVITY -01- RELOAD 09/09/81 SW=00000000000000
INPH1 STARTED WITH #27737 FOR FILE CONF DA GE 600 BIL
OPERATOR STARTED WITH #21436 FOR FILE CONF SR GE 600 BIL
OPERATOR STARTED WITH #21723 FOR FILE CONF CO GE 600 BIL
INPH1 CONTINUED WITH #27589 FOR FILE CONF DA GE 600 BIL
* NORMAL TERMINATION AT 021641 T=5000 SW=00000000000000
AFDSC 27737 27737 0001 81251 000
AFDSC 21436 21436 0001 81252 000
AFDSC 21723 21723 0001 81252 000
AFDSC 27588 27737 0002 81251 000

```

S.S.	0.045	INES	172	PROC	0.5415	I/O	0.097	YU	5	MEMORY	35K
STD	20-574	LIMIT	6144	LIMIT	0.5000	LIMIT		CU	5	MAT	70765
SWAI	0.005										
LAPSE	0.533	FC D TYPE	BUSY	IP/AT	FP/RT	IS/KC	MS/NE	ADDRFSS	14		
		01 R 0191 *	50	0	0	1	1	0-08-04			
		R+ R 0191 *	979	0	0	74	74	0-08-04			
		0A D TAP9	11649		0/00	23704	0	0-16-04		#27737	
		0A NULL	3	0	0	*	*	0-00-00			
		S0 SYOUT									
		S1 SYOUT									
		01 SYOUT									
		X1 R 0191 P	45	0	0	1	1	0-08-16			
		X2 R 0191 P	35	0	0	1	1	0-08-16			
		X3 R 0191 P	13	0	0	1	1	0-08-16			
		C0 D TAP9	180		0/00	97	0	0-16-01		#21723	
		SR D TAP9	34257		0/00	2600	0	0-16-03		#21436	
		RJ NULL	3	0	0	*	*	0-00-00			
		P+ SYOUT									
		L+ R 0191 *	646	0	0	624	624R	0-08-02			
LIST	57	LINE9 AT STA.	X1								
RC-03	21	LINE9 AT STA.	X1								
RC-01	56	LINE9 AT STA.	X1								
RC-00	38	LINE9 AT STA.	X1								

PRICE PER	\$ 10.92		
100	\$ 5.46		
TOTAL	\$ 55.00		

STATUS = 2000, ACTIVELY # = 0, REPORT CONF = 70, RECORD COUNT = 000057

C-39





COEP STANDARD H.I.S. VERSION 1.1  
 REPORT S01      USER INPUT SELECTION SUMMARY      PAGE      1  
 REPORT GROUP TITLE-FIND ALL ACS

WDS VALUE: FROM USER \*\*\*NONE\*\*, FROM '84' DATA \*\*\*NONE\*\*

NO. OF SORTIES = 16862

NO. OF FLYING-HOURS = \*\*NONE\*\*

WORK CENTER TO AFSC CONVERSIONS  
 DUMMY      DUMMY

SELECTION OPTION - CATEGORY OF LABOR  
 DEFAULTS USED: ALL

SELECTION OPTION - ASSIGNMENT CODE  
 DEFAULTS USED: ALL

SELECTION OPTION - TYPE MAINTENANCE  
 DEFAULTS USED: Z,N,T,S,P,L,K,J,H,E,D,C,B,A

SELECTION OPTION - JUSEV BEE ENGINES  
 DEFAULTS USED: INCLUDED

SELECTION OPTION - COMPONENT POSITION  
 DEFAULTS USED: EXCLUDED

SELECTION OPTION - ACTIVITY ID/COMMAND ID  
 DEFAULTS USED: ALL

SELECTION OPTION - 3 DIGIT AUC'S  
 DEFAULTS USED: ALL

REPORT GROUP TITLE: FIND ALL ACS

REPORT SA GENERATED

REPORT SB GENERATED

REPORT SC SUPPRESSED

REPORT SD GENERATED

REPORT SE GENERATED

REPORT SF GENERATED

REPORT SG GENERATED

REPORT SH GENERATED

FIGURE C-10. SAMPLE SELECTION PROGRAM RUN TO FIND ALL AFSCS (CONT'D)



REPORT 301 CDEP STANDARD H.I.S. VERSION 1.1  
USER INPUT SELECTION SUMMARY  
REPORT GROUP TITLE-FIND ALL WCS

PAGE 2

LIST OF USER-SELECTED SRD'S  
XFH,AFT

REPORTS TO BE OUTPUT BY COMBINATION REPORTS PROGRAM

REPORT C31  
SRD'S: XFH,AFT  
ADC'S (\*\*NO NAME\*\* SET):  
1

REPORT C41  
SRD'S: XFH,AFT  
ADC'S (\*\*NO NAME\*\* SET):  
1

REPORT C22  
SRD'S: XFH  
ADC'S (\*\*NO NAME\*\* SET):  
1

REPORT C21  
SRD'S: AFT  
ADC'S (\*\*NO NAME\*\* SET):  
1

SYNOPS = 70140, ACTIVITY # = 01, REPORT CODE = 00, RECORD COUNT = 000038

FIGURE C-10. SAMPLE SELECTION PROGRAM RUN TO FIND ALL AFSCS (CONT'D)

CDEP STANDARD H.I.S. VERSION 1.1  
 REPORT 500 INPUT DATA SELECTION SUMMARY  
 REPORT GROUP TITLE-FIND ALL WCS

PAGE 1

INPUT:	NO. OF RECORDS	NO. OF MAN-HOURS
INPUT FROM BASE-LEVEL HISTORY FILE	255928	1011187.0
OUTPUT:	NO. OF RECORDS	NO. OF MAN-HOURS
REJECTED BECAUSE THE RECORD:		
0-DUPLICATES ITS PRECEDING RECORD	47219	87259.6
1-HAS UNWANTED WORKCENTER (INDIRECT)	15523	198452.0
2-HAS UNWANTED SQD	102413	420927.0
3-HAS UNWANTED CATEGORY OF LABOR	0	0.0
4-HAS UNWANTED ACFT ASSIGNMENT CODE	0	0.0
5-HAS UNWANTED ACTIVITY/COMMAND ID	0	0.0
6-HAS AN WDC RECORD-ID OF 2 OR 5	2295	0.0
7-HAS UNWANTED WORKCENTER (DIRECT)	87552	304548.4
8-HAS UNWANTED TYPE-MAINTENANCE CODE	0	0.0
9-HAS UNWANTED QUEEN BEE INDICATOR	0	0.0
10-HAS UNWANTED WHEN-DISCOVERED CODE	0	0.0
11-HAS UNWANTED 3 DIGIT WORKUNIT CODE	0	0.0
12-HAS AN WDC ACTION TAKEN CODE = E	0	0.0
13-DON'T FIT A SPECIFIED COMB. RPT.	0	0.0
14-HAS MAN-HOURS = ZERO	0 *	0.0
15-CONTAINS UNRECOGNIZABLE DATA	12	0.0
USED IN SELECTION REPORT		
SA INDIRECT MAN-HOURS REPORTED	0	0.0
SB WORKCENTRS NOT FOUND IN DIRECTIVES	37552 *	304548.4
SC SERIALLY CONTROLLED REMOVE/INSTALL	009	0.0
SD SELECTED MAN-HOURS REPORTED	0	0.0
SE SCHEDULED INSPECTIONS REPORTED	0 *	0.0
SF SPECIAL INSPECTION REPORTED	0 *	1.0
SG TOTAL WORK REPORTED	0	0.0
SH CANIBALIZATION WORK REPORTED	0	1.0
PASSED TO THE COMBINATION PROGRAM		
ROC: 04XXX (SPEC. INSPECTION DATA)	0 *	0.0
ROC: 11000+ (OTHER COMB. REPT DATA)	0 *	0.0

\* NOTE: THESE RECORDS AND MANHOURS ARE REPORTED IN OTHER ENTRIES ON THIS REPORT

FIGURE C-10. SAMPLE SELECTION PROGRAM RUN TO FIND ALL AFSCS (CONT'D)

```

#####
#####
SSSSSS  SSSS  S  SS  S  S
      S  S  S  SS  S  S  S  S
SSSS  SSSS  S  S  S  S  S  S  SSSS  SSSS
      S  S  S  S  SSSSS  S  S
      S  S  S  S  S  S  S
      S  SSSS  SS  S  SSSS
#####
#####
-- 3 0 --      DATE 09-10-81      TIME 11.845      ID = XL  C

```

FIGURE C-10. SAMPLE SELECTION PROGRAM RUN TO FIND ALL AFSCS (CONT'D)

=RUN JG05A/CDEP/JCL/P3.JCL  
ENTER FIRSTNAME ?  
=NANCY B  
ENTER IDENT ?  
=0S2011N241D ,0S29UGOODWIN  
ENTER INTAPE ?  
1. =21436

JOB SUBMITTED  
SNUMB # 1781U

FIGURE C-11. SELECTION REPORTS PROGRAM SUBMISSION

SS 17810 ENTERED C AT 06.007 FROM TSS/S 0-08-06

```

* BEGIN ACTIVITY -01- UTILITY 05/10/81 SW=010000000000
INPUT STARTED RTN=21436 FOR FILE CODE IN GE 600 STL AFDC 21436 21436 000: #1252 000
OPERATION STARTED RTN=22731 FOR FILE CODE SA GE 600 STL AFDC 22731 22731 000: #1252 000
* NORMAL TERMINATION AT 006558 1-1040 SW=010000000000

```

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS

[illegible]

```

L* R D191 * 487 0 0 624 624R 0-08-02

LIST 21 LINES AT STA. XL

PROCESSOR I/O CORE TOTAL
$ 2.14 $ 3.23 $ 10.30 $ 15.67

* BEGIN ACTIVITY -04- GELOAD 09/10/81 SW=000000000000
* NORMAL TERMINATION AT 033775 I=5000 SW=000000000000

START 11.257 LINES 360 PROC 0.0210 I/O 0.017 IU 5 MEMORY 25K
STOP 11.313 LIMIT 6144 LIMIT 0.1500 LIMIT CU 27 M*T 5505
SWAP 0.000
LAPSE 0.056 FC D TYPE BUSY IP/AT FP/RT IS/#C MS/#E ADDRESS T#

T1 R D191 * 57567 0 0 2736 2736 0-08-14
R* R D191 * 403 0 0 28 28 0-08-08
L1 SYOUT
L2 SYOUT
P* SYOUT
L* R D191 * 935 0 0 624 624R 0-08-02

LIST 17 LINES AT STA. XL
RC-01 317 LINES AT STA. XL
RC-02 26 LINES AT STA. XL

PROCESSOR I/O CORE TOTAL
$ .67 $ .98 $ 1.80 $ 3.45

```

SUMMA = 17410, ACTIVITY # = 01, REPORT CODE = 53, RECORD COUNT = 000004

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

1781U 01 00/10/81

UTILITY REPORT 731111

PAGE

1

S FUTIL IN,SA,REW/IN,SA/,COPY/1F/,REW/IN,SA/  
COPIED 1 FILES. 87560 RECORDS IN LAST FILE

SNUMB = 1781U, ACTIVITY # = 02, REPORT CODE = 74, RECORD COUNT = 000070

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)



1781U 02 09-10-81 11.095

PREFACE

PROGRAM BREAK 117  
COMMON LENGTH 0  
V COUNT BITS 5

PRIMARY SYMDEF ENTRY

..... 0

SECONDARY SYMDEF ENTRY

	BLOCK	LENGTH
1	.SMA	1
2	.SMB	1
3	.SMC	1

SYMREF

4 .SRPT  
5 .GACLS  
6 .GAGET  
7 .GADPE  
10 .GAPTS  
11 .GAPUT  
12 .GCLSE  
13 .GGTBK  
14 .GOUTL  
15 .GREAD  
16 .GWAIT  
17 .SABRT

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

1781U 02 09-10-81 11.095

000000	1	600SM	
000000	2	SORT	INOUT,,8
000074	3	FIELD	C13
000075	4	SEQ	A1
000076	5	FILCB	INOUT,**,2

ERROR LINKAGE

000113	000000000000	000
000114	333333333333	000

6 END

117 IS THE NEXT AVAILABLE LOCATION.  
GMAP VERSION/ASSEMBLY DATES JHPA 730601/052373 JHPB 730601/052373 JMPC 730601/052373  
THERE WERE NO WARNING FLAGS IN THE ABOVE ASSEMBLY

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

1781U 02 00-10-81 11.096

OCTAL SYMBOL REFERENCES BY ALTER NO.

22	GECALL		2		
106	INOUT	5	2	5	
5	.GACLS		2		
5	.GAGET		2		
7	.GAOPE		2		
10	.GAPTS		2		
11	.GAPUT		2		
12	.GCLSE		2		
13	.GGTBK		2		
14	.GCUTL		2		
15	.GREAD		2		
16	.GWAIT		2		
17	.SABRT		2		
74	.SM1	4	2	3	4
1	.SM2	4	2	3	4
0	.SMAX	1	1	2	
0	.SMCX	1	1	2	
0	.SMOX	1	1	2	
0	.SMERP	4	3	4	
1	.SMFLD	3	2	3	
1	.SMSEN	4	2	4	
4	.SRPT		2		

\*\* 21K LIMITS NEEDED FOR THIS ASSEMBLY.

SNJME = 17A1U, ACTIVITY = 03, REPORT CODE = 74, RECORD COUNT = 000021

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

ORIGIN DATE MODULE ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

105660 09/10/61 0000 ..... 105660  
 BLOCK COMMON .SMA 105656 .SMH 105654 .SMC 105652  
 \$ OPTIONS NIIMAP

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

	RANGE	SIZE
ALLOCATED CORE	000000 THRU 105777	106000
RELOCATABLE	100010 THRU 105777	005770
\$ TAPE7	SA,1000,.,.,SORT.WCS,###	
\$ FILE	SZ,11S,220L	
\$ FILE	S1,S1R,100R	
\$ FILE	S2,S2R,100R	
\$ FILE	S3,S3R,100R	

4K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY 7305:7 F/8  
 000302 LOCATIONS REQUIRED FOR LOAD TABLE  
 EXECUTION PROGRAM ENTERED AT 105660 THROUGH .SETU.

SNUMB = 17010, ACTIVITY # = 04, REPORT CODE = 74, RECORD COUNT = 000017

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

17810 04 09-10-81 11.257 PAGE 1

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION
SUBPROGRAMS INCLUDED IN DECK.							
\$	OPTION	NOMAP					
SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY							
				RANGE		SIZE	
	ALLOCATED CORE		00000 THRU 061777			062000	
	RELOCATABLE		026570 THRU 061777			033210	
\$	FILE	T1,T1R					
\$	SYSOUT	L1,XL					
\$	SYSOUT	L2,XL					
14K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY 730517 F/B							
000602 LOCATIONS REQUIRED FOR LOAD TABLE							
EXECUTION PROGRAM ENTERED AT 061763 THROUGH .SETU.							

SNUMB = 17810, ACTIVITY # = 04, REPORT CODE = 01, RECORD COUNT = 000317

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SA  
 CONF STANDARD H.J.S. VERSION 1.1  
 NDC INDIRECT MAN-HOURS REPORTED  
 REPORT GROUP TITLE FIND ALL WCS  
 \*\*\*\* WARNING; NOT REPORTED AGAINST AN SRD \*\*\*\*  
 \*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA \*\*\*\*  
 AFSC      ALI\*\*      CNP\*\*      DTL\*\*      LVE\*\*      TRN\*\*      TOTAL

NO DATA FOR THIS SELECTION REPORT

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SR		REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST				PAGE	
CDRP STANDARD M.I.S. VERSION 1.1		REPORT GROUP TITLE FIND ALL WCS				1	
**** SEE USER INPUT SELECTION SUMMARY REPORT SOI FOR SELECTION CRITERIA ****							
WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
324A1	2	2	4.0	32PC2	1	1	2.0
321A0	1	1	1.0	321A2	1976	1868	3341.8
321H0	10	10	13.8	321H1	20	20	35.7
321H2	2021	2365	6548.9	321C0	11	11	23.5
321C1	8	8	15.5	321C2	3504	3380	7772.0
321C9	1	1	2.0	322A2	208	196	466.0
322H1	2	2	6.0	322H2	149	145	494.3
322C1	1	1	3.0	322C2	78	78	288.3
320A2	1	1	1.0	324H0	2	2	17.0
324H4	1	1	4.8	325A0	113	113	402.3
325A1	538	556	1465.0	325A2	11	11	23.1
325A4	4	4	3.6	325H0	348	351	1920.1
325H1	848	880	2743.7	325H4	1	1	1.8
325C0	268	258	797.5	325C1	752	718	3572.3
325C2	1	1	2.5	325C4	3	3	18.0
326A1	1	1	2.0	326A2	4	4	8.0
326H0	1	1	3.5	326C1	2	2	6.0
327C1	1	1	6.5	328A0	457	417	1607.1
328A1	272	270	503.5	328A4	211	202	333.7
328A5	1	1	16.0	328A6	1	1	2.0
328H0	497	475	1745.8	328H1	941	1046	1607.5
328H2	1	1	1.3	328H4	391	391	907.5
328A6	2	2	11.0	328H7	1	1	2.0
328C0	607	611	2123.4	328C1	830	893	2584.4

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SA		REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-10-AFSC LIST				PAGE	
CDRP STANDARD H.I.S. VERSION 1.1		REPORT GROUP TITLE FIND ALL WCS				2	
		**** SEE USER INPUT SELECTION SUMMARY REPORT SO FOR SELECTION CRITERIA ****					
WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
32AC2	1	1	4.0	32AC4	496	486	971.2
32AC5	5	5	8.5	40401	32	18	20.9
40401	1	1	2.0	41100	145	145	32.5
41220	1471	0	0.0	423A0	518	637	1763.6
423A1	386	382	1084.1	423A2	3	3	20.0
423A4	364	353	1648.6	423A5	2	2	15.0
423B0	462	412	2451.4	423B1	761	753	2985.6
423B2	5	4	45.8	423B4	420	393	1489.8
423C0	916	852	3621.7	423C1	579	585	2626.4
423C2	6	6	28.0	423C3	4	4	14.0
423C4	934	892	4272.8	423C5	1	1	3.0
423C6	1	1	2.3	42485	1	1	1.5
425B4	1	1	4.0	426A0	8	6	122.0
426A2	266	278	1711.8	426B1	1	1	0.5
426B2	640	731	3753.8	426B3	1	1	2.0
426C2	908	1006	5642.4	426C3	1	0	13.7
426C5	1	1	8.0	427A5	239	248	977.0
427B5	86	82	189.1	427C0	3	3	4.0
427C1	1	2	3.0	427C5	337	327	751.5
427C7	1	1	1.7	431A1	43	43	98.0
431B1	21	21	53.6	431C1	29	29	34.9
432C1	1	1	1.0	461A1	1	2	2.0
462A0	17	17	31.6	462B0	4	4	22.0
462B2	7	11	41.0	462C0	16	16	186.3

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)



REPORT SB		REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TU-AFSC LIST				PAGE	
CDRP STANDARD H.I.S. VERSION 1.1		REPORT GROUP TITLE FIND ALL WGS				3	
*** SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA ***							
WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
46202	1	1	2.0	49006	2	2	3.7
49210	1	0	7.0	4E110	2	2	3.0
4E120	7	32	38.3	4E121	9	8	50.7
4E122	3	3	2.8	4E123	1	1	4.3
4E130	3	3	5.3	4E131	1	1	2.0
4F132	1	1	2.0	4E210	5256	764	12825.4
4F212	1	1	4.0	4E214	992	388	5300.8
4E220	834	704	5332.9	4E230	1383	977	11755.8
4F231	9	9	43.7	4E232	4	4	4.1
4F243	3	3	11.3	4E280	2311	2273	18789.1
4F250	5446	6801	17354.7	4E254	1	1	4.0
4E260	715	6596	1264.5	4E310	8	4	48.2
4E320	3891	2157	28461.5	4E330	2	1	16.0
4F331	6	6	18.4	4E333	5	5	10.5
4F340	4	2	33.0	4E341	5	5	21.4
4F342	11	11	28.6	4E343	19	19	59.6
4E350	13	14	35.5	4E360	4	4	20.0
4E361	5	5	9.5	4E362	8	8	12.9
4F370	6	1	7.4	4F390	2	2	4.0
4F121	2	1	4.0	4F122	1	1	2.0
4G111	1457	1695	2236.6	4G112	1482	1356	1851.8
4G113	1294	1289	1534.8	4G114	1520	1468	1662.7
4G115	2059	1977	2041.2	4G116	1495	1403	1403.9
4G120	10	10	20.7	4G124	3	3	4.0

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SR		REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST				PAGE	
CODE STANDARD H.I.S. VERSION 1.1		REPORT GROUP TITLE FIND ALL WCB					
		*** SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA ***					
WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
AR124	2	2	3.5	AG130	4	4	24.0
AR131	245	276	996.1	AG132	1631	1559	6000.5
AG133	341	330	1001.5	AG134	1	1	7.0
AG310	22	22	61.0	AG312	0	3	20.0
AG320	22	21	109.4	AG321	2	2	8.0
AG330	1	1	2.0	AG332	2	2	3.0
AG340	2	2	2.5	AG341	2	2	2.9
AR143	3	3	5.5	AG350	1	0	2.0
AG360	2	2	6.0	AG361	2	2	3.8
AG390	27	48	51.3	AR110	2301	2018	5687.3
AR111	1	1	2.0	AR112	5	5	17.8
AR114	3	3	3.3	AR120	1788	1208	5161.6
AR121	2	2	3.0	AR122	6	5	35.3
AR123	12	12	31.9	AR130	2280	2056	4788.6
AR132	0	0	12.0	AR140	212	134	506.7
AR150	240	185	1040.2	AR160	1363	1027	2405.3
AR170	2404	2773	10339.8	AR171	2	2	13.5
AR173	0	0	10.5	AR180	3040	2726	11950.3
AR181	2387	1373	11110.3	AR190	2	2	6.3
AR210	2011	2212	22952.8	AR220	562	507	2443.8
AR240	0	7	123.5	AR240	0	12	45.4
AR240	0	0	8.0	AR310	597	1103	1370.8
AR320	4068	2887	9485.0	AR330	218	389	402.1
AR340	870	1415	3503.2	AR340	1087	1139	3851.6

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SH  
CODEP STANDARD H.I.S. VERSION 1.1 REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-AFSC LIST  
\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT 501 FOR SELECTION CRITERIA \*\*\*\*

WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS	WORKCENTER	MDC RECORDS	TOTAL UNITS	MANHOURS
4R360	584	436	1745.8	AR370	1637	8641	4356.3
5P3A1	2	2	1.8	542A1	2	2	1.8
6PAC0	1	1	3.3	JE214	1	0	6.0
JE320	3	1	24.0	JG123	2	2	25.0
JR130	1	1	8.0				

PAGE 5

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SC

CDEP STANDARD H.I.S. VERSION 1.1

\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA \*\*\*\*

SERIALY CONTROLLED REMOVALS AND INSTALLATIONS  
REPORTED DURING 16862 SORTIES  
REPORT GROUP TITLF FIND ALL MCS

PAGE 1

REMOVALS  
REPORTED

MEAN SORTIES  
BETWEEN REMOVALS

INSTALLATIONS  
REPORTED

MEAN SORTIES  
BETWEEN INSTALLATIONS

THIS SELECTION REPORT WAS USER-SUPPRESSED

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SD  
 CDFP STANDARD H.I.S. VERSION 1.1  
 \*\*\* SEE USER INPUT  
 SELECTED MANHOURS REPORTED FOR  
 REPORT GROUP TITLE FIND ALL WCS  
 SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA \*\*\*\*

PAGE 1

AFSC	WUC-->	01000	02000	03***	04***	05000	06000	07000	09000	11000+	TOTAL

NO DATA FOR THIS SELECTION REPORT

FIGURE C-12. SAMPLE SELECTION REPCRTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SE  
CDEP STANDARD M.I.S. VERSION 1.1

SCHEDULED-INSPECTION WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS

\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SF  
CDEP STANDARD H.I.S. VERSION 1.1

SPECIAL-INSPECTION WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS  
\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

REPORT SG  
COEP STANDARD M.I.S. VERSION 1.1

T - C - T - O WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS  
\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)



REPORT SM  
COEP STANDARD M.I.S. VERSION 1.1

CANNIBALIZATION WORK REPORTED FOR  
REPORT GROUP TITLE FIND ALL WCS  
\*\*\*\* SEE USER INPUT SELECTION SUMMARY REPORT S01 FOR SELECTION CRITERIA

NO DATA FOR THIS SELECTION REPORT

SNUMB = 17810, ACTIVITY # = 04, REPORT CODE = 02, RECORD COUNT = 000026

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

```

*** COEP STANDARD M.I.S. VERSION 1.1
*** SELECTION REPORT PROCESSING LOG ***
HDR -40000000000000FIND ALL MCS          -CNT=      1
HDR -50000000000000          -CNT=      2
HDR -C00000000000002016A62SORTIES        -CNT=    87555
HDR -00000000000000FIND ALL MCS          -CNT=    87556
HDR -E0000000000000FIND ALL MCS          -CNT=    87557
HDR -F0000000000000FIND ALL MCS          -CNT=    87558
HDR -G0000000000000FIND ALL MCS          -CNT=    87559
HDR -H0000000000000FIND ALL MCS          -CNT=    87560
****- END OF PROCESSING. INPUT RECORD COUNT IS -CNT=    87561
****- TOTAL SELECTION REPORT OUTPUT PAGE COUNT IS -CNT=    12

```

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

SSSS      SSSS      S      SSSSSS      SSSSS      S      S      S  
              SS      S      S      S      S      S      S      S  
 SSSS      SSSS      S      S      SSSS      S      S      S      SSSS      SSSS  
              S      S      S      S      S      S      S      S  
              S      S      S      S      S      S      S      S  
              SSSS      S      SSSS      SSSS      SSSS

FIGURE C-12. SAMPLE SELECTION REPORTS RUN TO FIND ALL AFSCS (CONT'D)

100 REPORT GROUP, TITLE, SEYMOUR-JOHNSON-AFB  
 110 SORTIES, 7689  
 120 REPORT, C2  
 130 SRD, AFT  
 140 WDC, A, C, D, E, F, H, J, K, N, P, Q, R, V, 2, NAME, ON AIRCRAFT MTN  
 150 CATEGORY OF LABOR, 1, 2, 3, 4, 5, 6  
 160 TYPE MAINTENANCE CODES, B, C, D, J, S  
 170 WORKCENTERS TO AFSCS  
 180 4E230, 423E3, FUEL SYSTEM  
 190 4E240, 431E1, REPAIR & RECLAM.  
 200 4E250, 423E2, EGRESS  
 210 4G111, 431X1, 334 A/C FLT "A"  
 220 4G112, 431X1, 334 A/C FLT "B"  
 230 4G113, 431X1, 335 A/C FLT "A"  
 240 4G114, 431X1, 335 A/C FLT "B"  
 250 4G115, 431X1, 336 A/C FLT "A"  
 260 4G116, 431X1, 336 A/C FLT "B"  
 270 426A2, 426X2, 334 SPEC FLT "A"--ENGINES  
 280 426B2, 426X2, 335 SPEC FLT "B"--ENGINES  
 290 426C2, 426X2, 336 SPEC FLT "C"--ENGINES  
 300 423A0, 423X0, 334 SPEC FLT "A"--ELECTRICAL  
 310 423B0, 423X0, 335 SPEC FLT "B"--ELECTRICAL  
 320 423C0, 423X0, 336 SPEC FLT "C"--ELECTRICAL  
 330 423A4, 423X4, 334 SPEC FLT "A"--PNEUDRAULICS  
 340 423B4, 423X4, 335 SPEC FLT "B"--PNEUDRAULICS  
 350 423C4, 423X4, 336 SPEC FLT "C"--PNEUDRAULICS  
 360 423A1, 423X1, 334 SPEC FLT "A"--ENVIRONMENTAL  
 370 423B1, 423X1, 335 SPEC FLT "B"--ENVIRONMENTAL  
 380 423C1, 423X1, 336 SPEC FLT "C"--ENVIRONMENTAL  
 390 328A0, 328X0, 334 SPEC FLT "A"--COMMUNICATIONS  
 400 328B0, 328X0, 335 SPEC FLT "B"--COMMUNICATIONS  
 410 328C0, 328X0, 336 SPEC FLT "C"--COMMUNICATIONS  
 420 328A1, 328X0, 334 SPEC FLT "A"--NAVIGATION  
 430 328B1, 328X0, 335 SPEC FLT "B"--NAVIGATION  
 440 328C1, 328X0, 336 SPEC FLT "C"--NAVIGATION  
 450 328A4, 328X4, 334 SPEC FLT "A"--INERTIAL NAVIGATION  
 460 328B4, 328X4, 335 SPEC FLT "B"--INERTIAL NAVIGATION  
 470 328C4, 328X4, 336 SPEC FLT "C"--INERTIAL NAVIGATION  
 480 325A0, 325X0, 334 SPEC FLT "A"--AUTOPILOT  
 490 325B0, 325X0, 335 SPEC FLT "B"--AUTOPILOT  
 500 325C0, 325X0, 336 SPEC FLT "C"--AUTOPILOT  
 510 325A1, 325X0, 334 SPEC FLT "A"--INSTRUMENTS  
 520 325B1, 325X0, 335 SPEC FLT "B"--INSTRUMENTS  
 530 325C1, 325X0, 336 SPEC FLT "C"--INSTRUMENTS  
 540 321A2, 321X2, 334 SPEC FLT "A"--WEAPONS CONTROL  
 550 321B2, 321X2, 335 SPEC FLT "B"--WEAPONS CONTROL  
 560 321C2, 321X2, 336 SPEC FLT "C"--WEAPONS CONTROL  
 570 404A1, 404X1, 334 SPEC FLT "A"--PHOTO  
 580 404B1, 404X1, 335 SPEC FLT "B"--PHOTO  
 590 404C1, 404X1, 336 SPEC FLT "C"--PHOTO  
 600 322A2, 404X1, 334 SPEC FLT "A"--SENSOR(322X2 FUNC COMB W 404X1)

FIGURE C-13. BEST GUESS MAPPING - JG05A/CDEP/SEL.PROG/SJ80.1

610 322B2,404X1,	335 SPEC FLT "B"--SENSOR(322X2 FUNC COMB W 404X1)
620 322C2,404X1,	336 SPEC FLT "C"--SENSOR(322X2 FUNC COMB W 404X1)
630 427A5,427X5,	334 SPEC FLT "A"--STRUCTURAL REPAIR
640 427B5,427X5,	335 SPEC FLT "B"--STRUCTURAL REPAIR
650 427C5,427X5,	336 SPEC FLT "C"--STRUCTURAL REPAIR
660 4G131,462X0,	334 WEAPONS FLT
670 4G132,462X0,	335 WEAPONS FLT
680 4G133,462X0,	336 WEAPONS FLT
690 4R110,328X0,	COMM/NAV--328X1
700 4R120,325X0,	AFCS/INSTR--325X1
710 4R130,328X4,	INERTIAL NAVIGATION
720 4R140,404X1,	PHOTO
730 4R150,404X1,	SENSOR(322X2 FUNC COMB W 404X1)
740 4R160,423X0,	ELECTRICAL
750 4R170,328R3,	ELECTRONIC COUNTER MEASURES
760 4R180,321X2,	WCS
770 4R320,427X5,	STRUCTURAL REPAIR
780 4R340,427R0,	MACHINE SHOP
790 4R350,423X4,	PNEUDRAULICS
800 4R360,423X1,	ENVIRONMENTAL
810 END	

\*

FIGURE C-13. BEST GUESS MAPPING - JG05A/CDEP/SEL.PROG/SJ80.1 (CONT'D)

100 REPORT GROUP, TITLE, S. J. -WC-ALL  
 110 SORTIES, 7689  
 120 REPORT, C2  
 130 SRD, AFT  
 140 WDC, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, 2, 4, NAME, WDC. 1  
 150 REPORT, C4  
 160 SRD, AFT, XFH  
 170 WDC, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, 2, 4, NAME, WDC. 2  
 180 REPORT, C2  
 190 SRD, XFH  
 200 WDC, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, 2, 4, NAME, WDC. 3  
 210 CATEGORY OF LABOR, 1, 2, 3, 4, 5, 6  
 220 TYPE MAINTENANCE CODES, A, B, C, D, E, H, J, P, Q, R, S, T, Y  
 230 WORKCENTERS TO AFSCS  
 240 4E210, 4E210, INSPECTION SECTION  
 250 4E214, 4E214, ENGINE INSPECTION  
 260 4E220, 427E1, CORROSION CNTRL  
 270 4E230, 423E3, FUEL SYS.  
 280 4E240, 431E1, REPAIR & RECLAM.  
 290 4E250, 423E2, EGRESS  
 300 4E260, 4E260, TRANS. ALERT  
 310 4E320, 4E320, ARMAMENT SYS.  
 320 4G111, 431G1, 334 A/C FLT "A"  
 330 4G112, 431G1, 334 A/C FLT "B"  
 340 4G113, 431G1, 335 A/C FLT "A"  
 350 4G114, 431G1, 335 A/C FLT "B"  
 360 4G115, 431G1, 336 A/C FLT "A"  
 370 4G116, 431G1, 336 A/C FLT "B"  
 380 426A2, 426G2, 334 SPEC FLT "A"---ENGINES  
 390 426B2, 426H2, 335 SPEC FLT "B"---ENGINES  
 400 426C2, 426I2, 336 SPEC FLT "C"---ENGINES  
 410 423A0, 423G0, 334 SPEC FLT "A"---ELECTRICAL  
 420 423B0, 423H0, 335 SPEC FLT "B"---ELECTRICAL  
 430 423C0, 423I0, 336 SPEC FLT "C"---ELECTRICAL  
 440 423A4, 423G4, 334 SPEC FLT "A"---PNEUDRAULICS  
 450 423B4, 423H4, 335 SPEC FLT "B"---PNEUDRAULICS  
 460 423C4, 423I4, 336 SPEC FLT "C"---PNEUDRAULICS  
 470 423A1, 423G1, 334 SPEC FLT "A"---ENVIRONMENTAL  
 480 423B1, 423H1, 335 SPEC FLT "B"---ENVIRONMENTAL  
 490 423C1, 423I1, 336 SPEC FLT "C"---ENVIRONMENTAL  
 500 328A0, 328G0, 334 SPEC FLT "A"---COMMUNICATIONS  
 510 328B0, 328H0, 335 SPEC FLT "B"---COMMUNICATIONS  
 520 328C0, 328I0, 336 SPEC FLT "C"---COMMUNICATIONS  
 530 328A1, 328G1, 334 SPEC FLT "A"---NAVIGATION  
 540 328B1, 328H1, 335 SPEC FLT "B"---NAVIGATION  
 550 328C1, 328I1, 336 SPEC FLT "C"---NAVIGATION  
 560 328A4, 328G4, 334 SPEC FLT "A"---INERTIAL NAVIGATION  
 570 328B4, 328H4, 335 SPEC FLT "B"---INERTIAL NAVIGATION  
 580 328C4, 328I4, 336 SPEC FLT "C"---INERTIAL NAVIGATION  
 590 325A0, 325G0, 334 SPEC FLT "A"---AUTOPILOT  
 600 325B0, 325H0, 335 SPEC FLT "B"---AUTOPILOT

FIGURE C-14. ALL INCLUSIVE MAPPING - JG05A/CDEP/SEL.PROG/SJ80.2

610	325C0,325I0,	336	SPEC FLT "C"--AUTOPILOT
620	325A1,325G1,	334	SPEC FLT "A"--INSTRUMENTS
630	325B1,325H1,	335	SPEC FLT "B"--INSTRUMENTS
640	325C1,325I1,	336	SPEC FLT "C"--INSTRUMENTS
650	321A2,321G2,	334	SPEC FLT "A"--WEAPONS CNTRL
660	321B2,321H2,	335	SPEC FLT "B"--WEAPONS CNTRL
670	321C2,321I2,	336	SPEC FLT "C"--WEAPONS CNTRL
680	404A1,404G1,	334	SPEC FLT "A"--PHOTO
690	404B1,404H1,	335	SPEC FLT "B"--PHOTO
700	404C1,404I1,	336	SPEC FLT "C"--PHOTO
710	322A2,322G2,	334	SPEC FLT "A"--SENSOR
720	322B2,322H2,	335	SPEC FLT "B"--SENSOR
730	322C2,322I2,	336	SPEC FLT "C"--SENSOR
740	427A5,427G5,	334	SPEC FLT "A"--STRUC. REPAIR
750	427B5,427H5,	335	SPEC FLT "B"--STRUC. REPAIR
760	427C5,427I5,	336	SPEC FLT "C"--STRUC. REPAIR
770	4G131,462G0,	334	WEAPONS FLT
780	4G132,462H0,	335	WEAPONS FLT
790	4G133,462I0,	336	WEAPONS FLT
800	4R110,328R0,		COMM/NAV--328X1
810	4R120,325R0,		AFCS/INSTR--325X1
820	4R130,328R4,		INERTIAL NAVIGATION
830	4R140,404R1,		PHOTO
840	4R150,322R2,		SENSOR
850	4R160,423R0,		ELECTRICAL
860	4R170,328R3,		ELECTRONIC COUNTER MEASURES
870	4R180,321R2,		WEAPONS CONTROL
880	4R181,321S2,		RADAR CALIBRATION
890	4R210,426R2,		JET ENG. SHOP
900	4R220,4R220,		TEST CELL
910	4R310,427R4,		METAL PROCESSING
920	4R320,427R5,		STRUCTURAL REPAIR
930	4R330,427R3,		SURVIVAL EQ.
940	4R340,427R0,		MACHINE SHOP
950	4R350,423R4,		PNEUDRAULICS
960	4R360,423R1,		ENVIRONMENTAL
970	4R370,427R2,		NON-DESTRUCTIVE INSP.
980	END		

\*

FIGURE C-14. ALL INCLUSIVE MAPPING - JG05A/CDEP/SEL.PROG/SJ80.2 (CONT'D)

321R2 01  
321S2 01  
325R0 02  
328R0 03  
328R3 04  
328R4 05  
404R1 06  
322R2 06  
423E3 07  
423R0 08  
423R1 09  
423R4 10  
426R2 11  
4R220 11  
427R0 12  
427R2 13  
427R4 14  
427R5 15  
431E1 16  
4E320 17

\*

FIGURE C-15. MASTER OFF-EQUIPMENT AFSC LIST -  
JG05A/CDEP/ILMAP/SJ80



01321R2  
02325R0  
03328R0  
04328R3  
05328R4  
06404R1  
07423E3  
08423R0  
09423R1  
10423R4  
11426R2  
12427R0  
13427R2  
14427R4  
15427R5  
16431E1  
174E320

\*

FIGURE C-16. ACCEPTABLE OFF-EQUIPMENT AFSC LIST -  
JG05A/CDEP/OFFMAP/SJ80

01321X200000  
02325X000000  
03328R300000  
04328X000000  
05328X400000  
06404X100000  
07423E200000  
08423E300000  
09423X000000  
10423X100000  
11423X400000  
12426X200000  
13427R000000  
14427X500000  
15431E100000  
16431X100000  
17462X000000

\*

FIGURE C-17. BEST GUESS CDEP AFSC INDEX FILE -  
OS29/N241D/CDEP/WCMAP/SJ80

```

02      REPORT GROUP TITLE: S.J.-WC-ALL
02      LIST OF USER-SELECTED SRD'S
01      XFH,AFT
03      REPORTS TO BE OUTPUT BY COMBINATION REPORTS PROGRAM
02      REPORT C01
01      SRD'S: XFH,AFT
01      WDC'S (SPEC INSPECTION SET):
01      BLANK
02      REPORT C22
01      SRD'S: XFH
01      WDC'S (WDC.3          SET):
01      4,2,Z,Y,X,W,V,U,T,S,R,Q,P,N,M,L,K,J,H,G,F,E,D,C,B,A
02      REPORT C31
01      SRD'S: XFH,AFT
01      WDC'S (WDC.2          SET):
01      4,2,Z,Y,X,W,V,U,T,S,R,Q,P,N,M,L,K,J,H,G,F,E,D,C,B,A
02      REPORT C41
01      SRD'S: XFH,AFT
01      WDC'S (WDC.2          SET):
01      4,2,Z,Y,X,W,V,U,T,S,R,Q,P,N,M,L,K,J,H,G,F,E,D,C,B,A
02      REPORT C21
01      SRD'S: AFT
01      WDC'S (WDC.1          SET):
01      4,2,Z,Y,X,W,V,U,T,S,R,Q,P,N,M,L,K,J,H,G,F,E,D,C,B,A

```

\*

FIGURE C-18. CDEP REPORT INDEX FILE - JG05A/CDEP/OUTPUT/P2.X1

01321G200000  
02321H200000  
03321I200000  
04321R200000  
05321S200000  
06322G200000  
07322H200000  
08322I200000  
09322R200000  
10325G000000  
11325G100000  
12325H000000  
13325H100000  
14325I000000  
15325I100000  
16325R000000  
17328G000000  
18328G100000  
19328G400000  
20328H000000  
21328H100000  
22328H400000  
23328I000000  
24328I100000  
25328I400000  
26328R000000  
27328R300000  
28328R400000  
29404G100000  
30404H100000  
31404I100000  
32404R100000  
33423E200000  
34423E300000  
35423G000000  
36423G100000  
37423G400000  
38423H000000  
39423H100000  
40423H400000  
41423I000000  
42423I100000  
43423I400000  
44423R000000  
45423R100000  
46423R400000  
47426G200000  
48426H200000  
49426I200000  
50426R200000

FIGURE C-19. ALL INCLUSIVE CDEP AFSC  
INDEX FILE - JG05A/CDEP/OUTPUT/P2.X2

51427E100000  
52427G500000  
53427H500000  
54427I500000  
55427R000000  
56427R200000  
57427R300000  
58427R400000  
59427R500000  
60431E100000  
61431G100000  
62462G000000  
63462H000000  
64462I000000  
654E21000000  
664E21400000  
674E26000000  
684E32000000  
694R22000000

\*

FIGURE C-19. ALL INCLUSIVE CDEP AFSC INDEX  
FILE - JG05A/CDEP/OUTPUT/P2.X2 (CONT'D)

X14220  
X12220  
X1Z220  
X1Y220  
X1X220  
X1W220  
X1V220  
X1U220  
X1T220  
X1S220  
X1R220  
X1Q220  
X1P220  
X1N220  
X1M220  
X1L220  
X1K220  
X1J220  
X1H220  
X1G220  
X1F220  
X1E220  
X1D220  
X1C220  
X1B220  
X1A220  
X34310  
X32310  
X3Z310  
X3Y310  
X3X310  
X3W310  
X3V310  
X3U310  
X3T310  
X3S310  
X3R310  
X3Q310  
X3P310  
X3N310  
X3M310  
X3L310  
X3K310  
X3J310  
X3H310  
X3G310  
X3F310  
X3E310  
X3D310  
X3C310

FIGURE C-20. INDEX FILE - JG05A/CDEP/OUTPUT/P2.X3

X3R310  
X3A310  
A34310  
A32310  
A3Z310  
A3Y310  
A3X310  
A3W310  
A3V310  
A3U310  
A3T310  
A3S310  
A3R310  
A3Q310  
A3P310  
A3N310  
A3M310  
A3L310  
A3K310  
A3J310  
A3H310  
A3G310  
A3F310  
A3E310  
A3D310  
A3C310  
A3B310  
A3A310  
A14210  
A12210  
A1Z210  
A1Y210  
A1X210  
A1W210  
A1V210  
A1U210  
A1T210  
A1S210  
A1R210  
A1Q210  
A1P210  
A1N210  
A1M210  
A1L210  
A1K210  
A1J210  
A1H210  
A1G210  
A1F210  
A1E210  
A1D210  
A1C210  
A1B210

FIGURE C-20. INDEX FILE - JG05A/CDEP/OUTPUT/P2.X3 (CONT'D)

A1A210

\*

FIGURE C-20. INDEX FILE - JG05A/CDEP/OUTPUT/P2.X3 (CONT'D)



```

110##$R(XL) : ,8,16,58
120$:NOTE: ** &FIRSTNAME. ** JG05A/CDEP/JCL/DB.CRE
130$:NOTE: ** THIS CDEP RUN CREATES DATA FOR DAVE **
140$:NOTE: ** HIST# = BASE HISTORY TAPE # **
150$:NOTE: ** COMBNAME = COMBINATION DATA FILE NAME; COMB+BASE NAME **
160$:NOTE: ** NAME = BASE HISTORY TAPE NAME **
170$:NOTE: ** BASENAME = NAME OF THE BASE **
180$ IDENT &IDENT. USER01
190$:MSG1:4,GET REEL 1 = &HIST#. FOR INPUT
200$:MSG1:4,GET REEL 2 = &HIST#-2. FOR INPUT
210$:MSG1:4,ULG&COMBNAME.,082926,045
220$:OPTION:NOMAP
230$:SELECT:JG05A/CDEP/CSTAR/P2.C
240$:EXECUTE
250$:LIMITS:120,35K.,5K
260$:TAPE9:DA,D1DD.,&HIST#.,,&NAME.,,###
270$:DATA:DI
280$:SELECTA:JG05A/CDEP/SEL.PROG/&DIRECTVS.
290$:FILE:B4,NULL
300$:SYSOUT:S0,XL
310$:SYSOUT:S1,XL
320$:SYSOUT:DL,XL
330$:PRMFL:X1,W,S,JG05A/CDEP/OUTPUT/P2.X1
340$:PRMFL:X2,W,S,0829/N241D/CDEP/WCMAP/&BASENAME.
350$:PRMFL:X3,W,S,JG05A/CDEP/OUTPUT/P2.X3
360$:TAPE9:CO,C1DD.,,&COMBNAME.,,***
370$:TAPE9:SR,S1DD
380$:FILE:RJ,NULL
390$:NOTE: ** RE-RUN CDEP USING SAME BASE HISTORY DATA AS BEFORE **
400$:NOTE: ** BUT DIFFERENT DIRECTIVES TO CREATE DATA FOR THE **
410$:NOTE: ** ANALYSIS PROGRAM **
420$:NOTE: ** DIRECTVS2 = DIRECTIVES TO USE FOR ANALYSIS PROGRAM **
430$:OPTION:NOMAP
440$:SELECT:JG05A/CDEP/CSTAR/P2.CPY.C
450$:EXECUTE
460$:LIMITS:120,31K.,5K
470$:TAPE9:DA,D1DD.,&HIST#.,,&NAME.,,###
480$:DATA:DI
490$:SELECTA:JG05A/CDEP/SEL.PROG/&DIRECTVS2.
500$:FILE:B4,NULL
510$:SYSOUT:S0,XL
520$:SYSOUT:S1,XL
530$:SYSOUT:DL,XL
540$:PRMFL:X1,W,S,JG05A/CDEP/OUTPUT/P2.X1
550$:PRMFL:X2,W,S,JG05A/CDEP/OUTPUT/P2.X2
560$:PRMFL:X3,W,S,JG05A/CDEP/OUTPUT/P2.X3
570$:TAPE9:CO,C1DD
580$:TAPE9:SR,S1DD
590$:TAPE9:KN,T1C
600$:FILE:RJ,NULL
610$:GOTO:&ILM(T/F).1

```

FIGURE C-21. JCL LISTING - JG05A/CDEP/JCL/DB.CRE

```

620$      T1.
630$:OPTION:FORTRAN,NOMAP
640$:FORTRAN:NFORM,NLNO,XREF
650$:SELECTA:JG05A/CDEP/DET.REC
660$:EXECUTE
670$:LIMITS:10,13K,,5K
680$:PRMFL:02,R,S,JG05A/CDEP/OUTPUT/P2.X2
690$:PRMFL:03,R,S,JG05A/CDEP/OFFMAP/&BASE-OR-N.
700$:PRMFL:04,R,S,JG05A/CDEP/ILMMAP/&BASE-OR-N.
710$:TAPE9:01,T1D
720$:DATA:05
730&#-MDS-ES.
740&A/C-SRD(S).
750&ENG-SRD(S).
760&#SORTIES.
770&ILM(T/F).
780$:GOTO:ENDJOB
790$      F1.
800$:OPTION:FORTRAN,NOMAP
810$:FORTRAN:NFORM,NLNO,XREF
820$:SELECTA:JG05A/CDEP/DET.REC
830$:EXECUTE
840$:LIMITS:10,13K,,5K
850$:PRMFL:02,R,S,JG05A/CDEP/OUTPUT/P2.X2
860$:PRMFL:03,R,S,JG05A/CDEP/OFFMAP/&BASE-OR-N.
870$:PRMFL:04,R,S,JG05A/CDEP/ILMMAP/&BASE-OR-N.
880$:TAPE9:01,T1D
890$:DATA:05
900&#-MDS-ES.
910&A/C-SRD(S).
920&ENG-SRD(S).
930&#SORTIES.
940&ILM(T/F).
950$:ENDJOB

```

\*

FIGURE C-21. JCL LISTING - JG05A/CDEP/JCL/DB.CRE (CONT'D)

```

=RUN JG05A/CDEP/JCL/DB.CRE
ENTER FIRSTNAME ?
=NANCY B
ENTER IDENT ?
=OS2011N241D ,OS29UGOODWIN
ENTER HIST# ?
1. =27737
ENTER HIST-#-2 ?
2. =27588
ENTER COMBNAME ?
3. =CO.SJ80
ENTER NAME ?
4. =SJ-AFSC
ENTER DIRCTVS ?
5. =SJ80.1
ENTER BASENAME ?
6. =SJ80
ENTER DIRCTVS2 ?
7. =SJ80.2
ENTER ILM(T/F) ?
8. =T
ENTER BASE-OR-N ?
9. =SJ80
ENTER #-MDS-ES ?
10. = 1
ENTER A/C-SRD(S) ?
11. =AFT
ENTER ENG-SRD(S) ?
12. =XFH
ENTER #SORTIES ?
13. = 7689

```

JOB SUBMITTED  
SNUMB # 7020U

FIGURE C-22. SAMPLE SUBMISSION OF JCL WHICH RUNS  
CDEP AND THE ANALYSIS PROGRAM

The image displays five distinct arrangements of 12 identical cubes, each forming a larger cube. The cubes are represented by small squares with dots indicating faces. The arrangements are as follows:

- Diagram 1:** A 2x2x3 arrangement, where the cubes are stacked in three layers of 2x2.
- Diagram 2:** A 3x2x2 arrangement, where the cubes are stacked in two layers of 3x2.
- Diagram 3:** A 3x3x1 arrangement, where the cubes are stacked in a single layer of 3x3.
- Diagram 4:** A 2x3x2 arrangement, where the cubes are stacked in two layers of 2x3.
- Diagram 5:** A 3x3x1 arrangement, where the cubes are stacked in a single layer of 3x3, but with a different internal structure than Diagram 3.

SS 70200 ENTERED C AT 11.11Z FROM TSS/S 0-08-10

```

0001 S      SNUMB  7620U
0002 S      COMMENT DS29BRIGGS      TSS CARDIN
0003 SS     USEPIC  DS29BRIGGS*****
0004 S      NOTE    ** NANCY 8 ** JG05A/CDEP/JCL/DR.CRE
0005 S      NOTE    ** THIS CDEP RUN CREATES DATA FOR DAVE **
0006 S      NOTE    ** HIST# = BASE HISTORY TAPE = **
0007 S      NOTE    ** COMBNAME = COMBINATION DATA FILE NAME; COMB+BASE NAME **
0008 S      NOTE    ** NAME = BASE HISTORY TAPE NAME **
0009 S      NOTE    ** BASENAME = NAME OF THE BASE **
0010 S      IDENT   DS2011N2410 ,GS29UGOCCWIN                      USER01
0011 S      MSG1     4,GET REEL 1 = 27737 FOR INPUT
0012 S      MSG1     4,GET REEL 2 = 27588 FOR INPUT
0013 S      MSG1     4,ULGCO.SJ80,GS2926.045
0014 S      OPTION   NCMAP
0015 SS     SELECT   JG05A/CDEP/CSTAR/P2.C
0016 S      OBJECT   F/A-HEIS00                      C17.240012380SELEC000
0017 SS     EXECUTE
0018 S      LIMITS   120.35K,,5K
0019 S      TAPE9    04,0100,,27737,,SJ-AFSC,,***
0020 S      DATA    01
0021 S      FILE     04,NULL
0022 S      SYSOUT    00,XL
0023 S      SYSOUT    01,XL
0024 S      SYSOUT    0L,XL
0025 S      PRMFL     X1,N,S,JG05A/CDEP/OUTPUT/P2.X1
0026 SS     PRMFL     X2,N,S,GS29/N2410/CDEP/NCMAP/SJ80
0027 SS     PRMFL     X3,N,S,JG05A/CDEP/OUTPUT/P2.X3
0028 S      TAPE9     00,C100,,,00.SJ80,,***
0029 S      TAPE9     0R,S100
0030 S      FILE      0J,NULL
0031 S      NOTE      ** RE-RUN CDEP USING SAME BASE HISTORY DATA AS BEFORE **
0032 S      NOTE      ** BUT DIFFERENT DIRECTIVES TO CREATE DATA FOR THE **
0033 S      NOTE      ** ANALYSIS PROGRAM **
0034 S      NOTE      ** DIRECTVS2 = DIRECTIVES TO USE FOR ANALYSIS PROGRAM **
0035 S      OPTION     NCMAP
0036 S      SELECT      JG05A/CDEP/CSTAR/P2.CPY.C
0037 SS     OBJECT      F/A-HEIS00                      C09.108032580SELEC000
0038 SS     EXECUTE
0039 S      LIMITS     120.31K,,5K
0040 S      TAPE9      04,0100,,27737,,SJ-AFSC,,***

```

**C-86**

```

0043 S DATA DI
0044 S FILE 44, NULL
0045 S SYSOUT 50, XL
0046 S SYSOUT S1, XL
0047 S SYSOUT 0L, XL
0048 SS PRMFL X1, R, S, JG05A/CDEP/OUTPUT/P2.X1
0049 SS PRMFL X2, R, S, JG05A/CDEP/OUTPUT/P2.X2
0050 SS PRMFL X3, R, S, JG05A/CDEP/OUTPUT/P2.X3
0051 S TAPE9 CD, C100
0052 S TAPE9 SR, S100
0053 S TAPE9 4N, T1C
0054 S FILE RJ, NULL
0055 S GOTO T1
0056 S T1.
0057 S CPTION FORTRAN, NOMAP
0058 AS FORTRAN NFORM, NLNO, XREF
0059 AS EXECUTE
0060 S LIMITS 10, 13K, , SK
0061 SS PRMFL 02, R, S, JG05A/CDEP/OUTPUT/P2.X2
0062 SS PRMFL 03, R, S, JG05A/CDEP/OFFMAP/SJA0
0063 SS PRMFL 04, R, S, JG05A/CDEP/ILMMAP/SJA0
0064 S TAPE9 01, T10
0065 S DATA 05
0066 S GOTO ENDJOB
0067 S F1.
0068 S CPTION FORTRAN, NOMAP
0069 AS FORTRAN NFORM, NLNO, XREF
0070 AS EXECUTE
0071 S LIMITS 10, 13K, , SK
0072 SS PRMFL 02, R, S, JG05A/CDEP/OUTPUT/P2.X2
0073 SS PRMFL 03, R, S, JG05A/CDEP/OFFMAP/SJA0
0074 SS PRMFL 04, R, S, JG05A/CDEP/ILMMAP/SJA0
0075 S TAPE9 01, T10
0076 S DATA 05
0077 S ENDJOB

```

TOTAL CARD COUNT THIS JOB = 002353

```

* BEGIN ACTIVITY -01- GELoad 09/09/81 SW=010000000000
INPUT STARTED WITH #27737 FOR FILE CODE DA SE 600 BTL AFDSC 27737 27737 0001 81251 000
OPERATOR STARTED WITH #22397 FOR FILE CODE SR SE 600 BTL AFDSC 22397 22397 0001 81252 000
OPERATOR STARTED WITH #20566 FOR FILE CODE CD SE 600 BTL AFDSC 20566 20566 0001 81252 000
INPUT CONTINUED WITH #27588 FOR FILE CODE DA SE 600 BTL AFDSC 27588 27737 0002 81251 000
* NORMAL TERMINATION AT 021641 I=5000 SW=010000000000

```

START	10.498	LINES	291	PROC	0.5142	I/O	0.100	IU	S	MEMORY	35K
STOP	20.216	LIMIT	5120	LIMIT	1.2000	LIMIT		CU	S	Met	46304
SWAP	0.560										
LAPSE	0.720	FC D TYPE	BUSY	IP/AT	FP/RT	IS/AC	MS/SE	ADDRESS	Tz		
		01 R 0191 *	70	0	0	4	4	0-08-06			
		02 R 0191 *	920	0	0	72	72	0-08-06			
		03 0 TAPE	311430		0/00	23638	0	0-16-05	#27737		
		04 NULL	3	0	0	*	*	0-00-00			
		50 SYOUT									
		51 SYOUT									
		0L SYOUT									
		X1 R 0191 P	42	0	0	13	13	0-08-16			
		X2 R 0191 P	20	0	0	1	1	0-08-16			
		X3 R 0191 P	13	0	0	13	13	0-08-16			
		CD 0 TAPE	15477		0/00	1301	0	0-14-08	#20566		
		SR 0 TAPE	29091		0/00	2148	0	0-16-09	#22397		
		RJ NULL	3	0	0	*	*	0-00-00			
		P* SYOUT									
		L* P 0191 *	675	0	0	624	624R	0-08-32			

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

LIST 57 LINES AT STA. XL  
 PC-43 42 LINES AT STA. XL  
 PC-01 114 LINES AT STA. XL  
 PC-00 38 LINES AT STA. XL

PROCESSOR I/O CORE TOTAL  
 \$ 16.45 \$ 5.89 \$ 54.94 \$ 77.28

\*\*\*\*\* SYSTEM INTERRUPTION, JOB RESTARTED HERE \*\*\*\*\*

\* BEGIN ACTIVITY -02- GELOAD 09/10/81 SW=010000000000  
 INPUT STARTED WITH #27737 FOR FILE CODE DA GE 600 BTL AFDSC 27737 27737 0001 81251 000  
 OPERATOR STARTED WITH #21920 FOR FILE CODE SR SE 600 BTL AFDSC 21920 21920 0001 81253 000  
 OPERATOR STARTED WITH #21953 FOR FILE CODE CO GE 600 BTL AFDSC 21953 21953 0001 81253 000  
 OPERATOR STARTED WITH #22771 FOR FILE CODE KN GE 600 BTL AFDSC 22771 22771 0001 81253 000  
 INPUT CONTINUED WITH #27588 FOR FILE CODE DA GE 600 BTL AFDSC 27588 27737 0002 81251 000  
 \* NORMAL TERMINATION AT 010261 I=5000 SW=010000000000

START	0.282	LINES	336	PROC	0.7334	I/O	0.112	TS	S	MEMORY	31K
STOP	1.278	LIMIT	5120	LIMIT	1.2000	LIMIT		CL	S	W-T	116292
SWAP	0.000										
LAPSE	0.995	FC 0 TYPE	BUSY	IP/AT	FP/RT	IS/RC	MS/SE	ADDRESS	T*		

01 R 0191 *	53	0	0	5	5	0-08-06	
2* R 0191 *	997	0	0	73	73	0-08-06	
01 0 TAP9	316868		0/00	23339	0	0-16-02	#27737
04 NULL	3	0	0	*	*	0-00-00	
50 SYOUT							
51 SYOUT							
0L SYOUT							
X1 R 0191 P	53	0	0	13	13	0-08-16	
X2 R 0191 P	33	0	0	1	1	0-08-16	
X3 R 0191 P	10	0	0	13	13	0-08-16	
CO 0 TAP9	27960		0/00	1913	0	0-15-03	#21953
SP 0 TAP9	43297		0/00	3187	0	0-16-04	#21920
KN 0 TAP9	9561		0/00	685	0	0-16-05	#22771
4J NULL	3	0	0	*	*	0-00-00	
2* SYOUT							
L* R 0191 *	550	0	0	624	624R	0-08-02	

LIST 58 LINES AT STA. XL  
 PC-43 99 LINES AT STA. XL  
 PC-01 141 LINES AT STA. XL  
 PC-00 34 LINES AT STA. XL

PROCESSOR I/O CORE TOTAL  
 \$ 23.47 \$ 6.57 \$ 50.13 \$ 90.17

\* SCARD =0055 IS TRUE, SW=010000000000, SKIP TO T1

\* BEGIN ACTIVITY -03- FORTY 09/10/81 SW=310202000000  
 \* NORMAL TERMINATION AT 005144 I=4060 SW=310202000000

START	1.247	LINES	416	PROC	0.0010	I/O	0.009	TS	S	MEMORY	26K
STOP	1.289	LIMIT	12000	LIMIT	0.0500	LIMIT		CU	S	W-T	257
SWAP	0.000										
LAPSE	0.002	FC 0 TYPE	BUSY	IP/AT	FP/RT	IS/RC	MS/SE	ADDRESS	T*		

00 3 TAP9	98304		0/00	0	0	0-15-05	#22771
S* R 0191 *	290	0	0	12	12	0-08-06	

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

```

P* SYOUT
*1 R 0191 *      0      0      0      96      96      0-08-16
B* S 0191 *      274     0      19     72     72     0-08-02
K* SYOUT
C* SYOUT

```

LIST 418 LINES AT STA. XL

```

PROCESSOR      I/O      CORE      TOTAL
$ .03          $ 1.63      $ 1.69      $ 3.35

```

```

* BEGIN ACTIVITY -04- GELOAD 09/10/81 SW=010000000000
INPUT STARTED WITH #22771 FOR FILE CODE 01 GE 600 2TL AFDSC 22771 22771 0001 81253 000
* NORMAL TERMINATION AT 013273 I=5020 SW=010000000000

```

```

START 1.290      LINES 696      PROC 0.0832      I/O 0.003      IU 5      MEMORY 13K
STOP 1.464      LIMIT 5120     LIMIT 0.1000    LIMIT          CU 5      M*T 9444
SWAP 0.000
LAPSE 0.174      FC D TYPE      BUSY      IP/AT      FP/RT      IS/#C MS/#E      ADDRESS T#

```

```

01 D TAP9      9181
H* R 0191 *      274      19      19      72      72      0-16-05 #22771
05 R 0191 *      23      0      1      1      1      0-08-02
R* R 0191 *      24      0      0      1      1      0-08-06
02 R 0191 P      17      0      1      1      1      0-08-16
03 R 0191 P      25      0      1      1      1      0-08-16
04 R 0191 P      17      0      1      1      1      0-08-16
P* SYOUT
L* R 0191 *      851      0      0      624      624R      0-08-02

```

LIST 24 LINES AT STA. XL  
RC-06 672 LINES AT STA. XL

```

PROCESSOR      I/O      CORE      TOTAL
$ 2.66          $ .19      $ 1.27      $ 4.12

```

\* SCARD #0066 IS TRUE, SW=010000000000, SKIP TO ENDJOB

SNUM3 = 70200, ACTIVITY = 01, REPORT CODE = 74, RECORD COUNT = 000057

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

70200 01 09-09-81 19.515

ORIGIN DATE MODULE ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DEC.

% OPTION NUMAP

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

```

ALLOCATED CORE 000000 THRU 105777 SIZE 106000
RELOCATABLE 014434 THRU 105777 071344
$ TAPE9 DA,D1DD,,27737,,SJ-AFSC,,##
$ DATA 01
$ FILE R4,NULL
$ SYSOUT S0,XL
$ SYSOUT S1,XL
$ SYSOUT R1,XL
$ PRMFL X1,W,S,JG05A/CDEP/OUTPUT/P2.X1
$ PRMFL X2,W,S,OS29/NP410/CDEP/WCHAP/SJ80
$ PRMFL X3,W,S,JG05A/CDEP/OUTPUT/P2.X3
$ TAPE9 C0,C16,.,.,CO.SJ80,.,.,
$ SR,SIDD
$ FILE R3,NULL

```

29K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY 730517 F/8  
000660 LOCATIONS REQUIRED FOR LOAD TABLE  
EXECUTION PROGRAM ENTERED AT 105767 THROUGH .SETU.

\*\*\*\*\*

CDEP STANDARD H.I.S. VERSION 1.1

SELECTION PROCESSING MESSAGES

```

*** UNUSABLE ARD6DA RECORD - TAPE CONTAINS 6 MONTHS CUMULATIVE TRANSACTIONS FOR JAN 80-JUN 80
*** UNUSABLE ARD6DA RECORD - ORG H 00081DCSQ 0TVKAG***** 00 REC'D ***
*** UNUSABLE ARD6DA RECORD - ORG J 0205FTG01 0JVKAG * * 100 REC'D ***
*** UNUSABLE ARD6DA RECORD - ORG S 006ARRVWG 0SVKAG***** 100 REC'D ***
*** UNUSABLE ARD6DA RECORD - ORG Y 2012CMNSQ 0YVKAG* * * 100 REC'D ***
*** UNUSABLE ARD6DA RECORD - ORG 4 0004TFCWG 0TVKAG***** 100 REC'D *****
*** UNUSABLE ARD6DA RECORD - LAST R R R *****
*** UNUSABLE ARD6DA RECORD - LAST R R R *****
*** UNUSABLE ARD6DA RECORD - LAST R R R *****
*** UNUSABLE ARD6DA RECORD - LAST R R R *****
*** UNUSABLE ARD6DA RECORD - LAST R R R *****
*** UNUSABLE ARD6DA RECORD - LAST R R R *****
*** UNUSABLE ARD6DA RECORD - LAST R R R *****

```

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)



\*\*\* UNUSABLE 48060A RECORD - LAST & & \*\*\*\*\*  
600 REC'D

SNUM8 = 70200, ACTIVITY = 01, REPORT CODE = 43, RECORD COUNT = 000082

REPORT 502 CDEP STANDARD M.I.S. VERSION 1.1  
LOG OF USER-INPUT DIRECTIVES  
REPORT GROUP TITLE-NOT DEFINED PAGE 1

REPORT GROUP, TITLE, SEYMOUR-JOHNSON-AFB  
SORTIES, 7689  
REPORT, C2  
SR0, 4FT  
WDC, A, C, D, E, F, H, J, K, N, P, Q, R, V, 2, NAME, ON AIRCRAFT MTN  
CATEGORY OF LABOR, 1, 2, 3, 4, 5, 6  
TYPE MAINTENANCE CODES, B, C, D, J, S  
WORKCENTERS TO AFSCS  
4E230, 423E3, FUEL SYSTEM  
4E240, 431E1, REPAIR & RECLAM.  
4E250, 423E2, EGRESS  
4G111, 431X1, 334 A/C FLT "A"  
4G112, 431X1, 334 A/C FLT "B"  
4G113, 431X1, 335 A/C FLT "A"  
4G114, 431X1, 335 A/C FLT "B"  
4G115, 431X1, 336 A/C FLT "A"  
4G116, 431X1, 336 A/C FLT "B"  
426A2, 426X2, 334 SPEC FLT "A"--ENGINES  
426B2, 426X2, 335 SPEC FLT "B"--ENGINES  
426C2, 426X2, 336 SPEC FLT "C"--ENGINES  
423A0, 423X0, 334 SPEC FLT "A"--ELECTRICAL  
423B0, 423X0, 335 SPEC FLT "B"--ELECTRICAL  
423C0, 423X0, 336 SPEC FLT "C"--ELECTRICAL  
423A4, 423X4, 334 SPEC FLT "A"--PNEUDRAULICS  
423B4, 423X4, 335 SPEC FLT "B"--PNEUDRAULICS  
423C4, 423X4, 336 SPEC FLT "C"--PNEUDRAULICS  
423A1, 423X1, 334 SPEC FLT "A"--ENVIRONMENTAL  
423B1, 423X1, 335 SPEC FLT "B"--ENVIRONMENTAL  
423C1, 423X1, 336 SPEC FLT "C"--ENVIRONMENTAL  
328A0, 328X0, 334 SPEC FLT "A"--COMMUNICATIONS  
328B0, 328X0, 335 SPEC FLT "B"--COMMUNICATIONS  
328C0, 328X0, 336 SPEC FLT "C"--COMMUNICATIONS  
328A1, 328X1, 334 SPEC FLT "A"--NAVIGATION  
328B1, 328X1, 335 SPEC FLT "B"--NAVIGATION  
328C1, 328X1, 336 SPEC FLT "C"--NAVIGATION  
328A4, 328X4, 334 SPEC FLT "A"--INERTIAL NAVIGATION  
328B4, 328X4, 335 SPEC FLT "B"--INERTIAL NAVIGATION  
328C4, 328X4, 336 SPEC FLT "C"--INERTIAL NAVIGATION  
325A0, 325X0, 334 SPEC FLT "A"--AUTOPILOT  
325B0, 325X0, 335 SPEC FLT "B"--AUTOPILOT  
325C0, 325X0, 336 SPEC FLT "C"--AUTOPILOT  
325A1, 325X1, 334 SPEC FLT "A"--INSTRUMENTS  
325B1, 325X1, 335 SPEC FLT "B"--INSTRUMENTS  
325C1, 325X1, 336 SPEC FLT "C"--INSTRUMENTS  
321A2, 321X2, 334 SPEC FLT "A"--WEAPONS CONTROL  
321B2, 321X2, 335 SPEC FLT "B"--WEAPONS CONTROL  
321C2, 321X2, 336 SPEC FLT "C"--WEAPONS CONTROL  
404A1, 404X1, 334 SPEC FLT "A"--PHOTO  
404B1, 404X1, 335 SPEC FLT "B"--PHOTO  
404C1, 404X1, 336 SPEC FLT "C"--PHOTO

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

REPORT S02 CDEP STANDARD H.I.S. VERSION 1.1  
LOG OF USER-INPUT DIRECTIVES  
REPORT GROUP TITLE-SEYMOUR-JOHNSON-AFB

PAGE 2

322A2,404X1,	334 SPEC FLT "A"--SENSOR(322X2 FUNC COMB W 404X1)
322B2,404X1,	335 SPEC FLT "B"--SENSOR(322X2 FUNC COMB W 404X1)
322C2,404X1,	336 SPEC FLT "C"--SENSOR(322X2 FUNC COMB W 404X1)
427A5,427X5,	334 SPEC FLT "A"--STRUCTURAL REPAIR
427B5,427X5,	335 SPEC FLT "B"--STRUCTURAL REPAIR
427C5,427X5,	336 SPEC FLT "C"--STRUCTURAL REPAIR
4G131,462X0,	334 WEAPONS FLT
4G132,462X0,	335 WEAPONS FLT
4G133,462X0,	336 WEAPONS FLT
4R110,328X0,	COMM/NAV--328X1
4R120,325X0,	AFCS/INSTR--325X1
4R130,328X4,	INERTIAL NAVIGATION
4R140,404X1,	PHOTO
4R150,404X1,	SENSOR(322X2 FUNC COMB W 404X1)
4R160,423X0,	ELECTRICAL
4R170,328R3,	ELECTRONIC COUNTER MEASURES
4R180,321X2,	HCS
4R320,427X5,	STRUCTURAL REPAIR
4R340,427X0,	MACHINE SHOP
4R350,423X4,	PNEUDRAULICS
4R360,423X1,	ENVIRONMENTAL
END	

\*\*\*\*\* END OF PROCESSING 72 USER-DIRECTIVES

SNUMB = 7020U, ACTIVITY # = 01, REPORT CODE = 01, RECORD COUNT = 000114

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

REPORT S01 CDEP STANDARD H.I.S. VERSION 1.1  
 USER INPUT SELECTION SUMMARY  
 REPORT GROUP TITLE-SEYMOUR-JOHNSON-AFB

PAGE 1

MDS VALUE: FROM USER \*\*\*NONE\*\*, FROM 'B4' DATA \*\*\*NONE\*\*

NO. OF SORTIES = 7689

NO. OF FLYING-HOURS = \*\*NONE\*\*

WORK CENTER TO AFSC CONVERSIONS

321A2	321X2
321B2	321X2
321C2	321X2
322A2	404X1
322B2	404X1
322C2	404X1
325A0	325X0
325A1	325X0
325B0	325X0
325B1	325X0
325C0	325X0
325C1	325X0
328A0	328X0
328A1	328X0
328A4	328X4
328B0	328X0
328B1	328X0
328B4	328X4
328C0	328X0
328C1	328X0
328C4	328X4
404A1	404X1
404B1	404X1
404C1	404X1
423A0	423X0
423A1	423X1
423A4	423X4
423B0	423X0
423B1	423X1
423B4	423X4
423C0	423X0
423C1	423X1
423C4	423X4
426A2	426X2
426B2	426X2
426C2	426X2
427A5	427X5
427B5	427X5
427C5	427X5
4E230	423E3
4E240	431E1
4E250	423E2

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

REPORT S01 CDEP STANDARD H.I.S. VERSION 1.1  
 USER INPUT SELECTION SUMMARY  
 REPORT GROUP TITLE-SEYMOUR-JOHNSON-AFB

PAGE 2

4G111	431X1
4G112	431X1
4G113	431X1
4G114	431X1
4G115	431X1
4G116	431X1
4G131	462X0
4G132	462X0
4G133	462X0
4R110	328X0
4R120	325X0
4R130	328X4
4R140	404X1
4R150	404X1
4R160	423X0
4R170	328R3
4R180	321X2
4R320	427X5
4R340	427R0
4R350	423X4
4R360	423X1

SELECTION OPTION - CATEGORY OF LABOR  
 USER-SELECTED: 6,5,4,3,2,1

SELECTION OPTION - ASSIGNMENT CODE  
 DEFAULTS USED: ALL

SELECTION OPTION - TYPE MAINTENANCE  
 USER-SELECTED: S,J,D,C,B

SELECTION OPTION - QUEEN BEE ENGINES  
 DEFAULTS USED: INCLUDED

SELECTION OPTION - COMPONENT POSITION  
 DEFAULTS USED: EXCLUDED

SELECTION OPTION - ACTIVITY ID/COMMAND ID  
 DEFAULTS USED: ALL

SELECTION OPTION - 3 DIGIT WUC'S  
 DEFAULTS USED: ALL

REPORT GROUP TITLE: SEYMOUR-JOHNSON-AFB

REPORT SA GENERATED

REPORT SB GENERATED

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

REPORT S01 COEP STANDARD H.I.S. VERSION 1.1  
USER INPUT SELECTION SUMMARY  
REPORT GROUP TITLE-SEYMOUR-JOHNSON-AFB

PAGE 3

REPORT SC GENERATED

REPORT SD GENERATED

REPORT SE GENERATED

REPORT SF GENERATED

REPORT SG GENERATED

REPORT SH GENERATED

LIST OF USER-SELECTED SRD'S  
AFT

REPORTS TO BE OUTPUT BY COMBINATION REPORTS PROGRAM

REPORT C01  
SRD'S: AFT  
WOC'S (SPEC INSPECTION SET):  
BLANK

REPORT C21  
SRD'S: AFT  
WOC'S (ON AIRCRAFT MTH SET):  
2,V,R,D,P,N,K,J,M,F,E,D,C,A

SNOWB = 70290, ACTIVITY # = 01, REPORT CODE = 00, RECORD COUNT = 000038

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

## INPUT:

	NO. OF RECORDS	NO. OF MAN-HOURS
INPUT FROM BASE-LEVEL HISTORY FILE	255928	1011187.0

## OUTPUT:

## REJECTED BECAUSE THE RECORD:

	NO. OF RECORDS	NO. OF MAN-HOURS
0-DUPLICATES ITS PRECEDING RECORD	47210	87259.6
1-HAS UNWANTED WORKCENTER (INDIRECT)	9587	126691.2
2-HAS UNWANTED SRC	107448	449576.2
3-HAS UNWANTED CATEGORY OF LABOR	0	0.0
4-HAS UNWANTED ACFT ASSIGNMENT CODE	0	0.0
5-HAS UNWANTED ACTIVITY/COMMAND ID	0	0.0
6-HAS AN MOC RECORD-ID OF 2 OR 5	2228	0.0
7-HAS UNWANTED WORKCENTER (DIRECT)	17918	71374.5
8-HAS UNWANTED TYPE-MAINTENANCE CODE	11836	31353.1
9-HAS UNWANTED QUEEN BEE INDICATOR	0	0.0
10-HAS UNWANTED WHEN-DISCOVERED CODE	1189	5067.1
11-HAS UNWANTED 3 DIGIT WORKUNIT CODE	0	0.0
12-HAS AN MOC ACTION TAKEN CODE = E	0	0.0
13-DOESN'T FIT A SPECIFIED COMB. RPT.	8969	31483.4
14-HAS MAN-HOURS = ZERO	24	0.0
15-CONTAINS UNRECOGNIZABLE DATA	12	0.0

## USED IN SELECTION REPORT

SA INDIRECT MAN-HOURS REPORTED	5936	71760.8
SE WORKCENTRS NOT FOUND IN DIRECTIVES	17918	71374.5
SC SERIALLY CTRLLED REMOVE/INSTALL	909	0.0
SD SELECTED MAN-HOURS REPORTED	42080	135411.3
SE SCHEDULED INSPECTIONS REPORTED	1334	2284.1
SF SPECIAL INSPECTION REPORTED	4703	15860.8
SG TCTG WORK REPORTED	0	0.0
SH CANNIBALIZATION WORK REPORTED	597	1209.6

## PASSED TO THE COMBINATION PROGRAM

MUC: 04XXX (SPEC. INSPECTION DATA)	4699	15860.8
MUC: 11000+ (OTHER COMB. REPT DATA)	34059	111410.1

\* NOTE: THESE RECORDS AND MANHOURS ARE REPORTED IN OTHER ENTRIES ON THIS REPORT

SUMMA = 70290, ACTIVITY = 02, REPORT CODE = 72, RECORD COUNT = 000052

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

702011 02 09-10-81 .2M3

ORIGIN DATE MODULE ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

\$ OPTION NMAP

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

ALLOCATED CURE	RANGE	SIZE
000000 THRU 075777	075000	
RELOCATABLE	003054 THRU 075777	072724
\$ TAPE9	0A,0100,27737,9J-AFSC,MM	
\$ DATA	DI	
\$ FILE	R4,NULL	
\$ SYSOUT	SO,XL	
\$ SYSOUT	SI,XL	
\$ SYSOUT	DL,XL	
\$ PRMFL	X1,W,S,JG05A/CNEP/OUTPUT/P2.X1	
\$ PRMFL	X2,W,S,JG05A/CNEP/OUTPUT/P2.X2	
\$ PRMFL	X3,W,S,JG05A/CNEP/OUTPUT/P2.X3	
\$ TAPE9	CO,CIDD	
\$ TAPE9	SR,SIDD	
\$ TAPE9	KN,TIC	
\$ FILE	R1,NULL	

30K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY 730517 F/H  
000644 LOCATIONS REQUIRED FOR LOAD TABLE  
EXECUTION PROGRAM ENTERED AT 075771 THROUGH .SETU.

CDEP STANDARD H.I.S. VERSION 1.1

SELECTION PROCESSING MESSAGES

UNUSABLE	ADD6DA	RECORD	TAPE	CONTAINS	6 MONTHS CUMULATIVE TRANSACTIONS FOR JAN 80-JUN 80	06
UNUSABLE	ADD6DA	RECORD	ORG	H 000RTDCSD	01VKAG*****	M770915 X
UNUSABLE	ADD6DA	RECORD	ORG	J 0205FTGDT	01VKAG	750625 X
UNUSABLE	ADD6DA	RECORD	ORG	S 006RUVWG	05VKAG*****	M770729 X
UNUSABLE	ADD6DA	RECORD	ORG	Y 2012CMNSD	01VKAG	790502 X
UNUSABLE	ADD6DA	RECORD	ORG	4 000RTFGWG	01VKAG*****	HM780914 X
UNUSABLE	ADD6DA	RECORD	LAST	R	R	
UNUSABLE	ADD6DA	RECORD	LAST	R	R	
UNUSABLE	ADD6DA	RECORD	LAST	R	R	
UNUSABLE	ADD6DA	RECORD	LAST	R	R	
UNUSABLE	ADD6DA	RECORD	LAST	R	R	
UNUSABLE	ADD6DA	RECORD	LAST	R	R	

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

\*\*\* UNUSABLE A8060A RECORD - LAST    8    3    3    \*\*\*\*\*  
500 REC'D  
600 REC'D

SNUMB = 70200, ACTIVITY # = 02, REPORT CODE = 43, RECORD COUNT = 000099

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)



```
REPORT GROUP,TITLE,S.J.-MC-ALL
SORTIES,7689
REPORT,C2
SRD,AFT
NOC,A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z,2,4,NAME,WDC.1
REPORT,C4
SRD,AFT,XF-
NOC,A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z,2,4,NAME,WDC.2
REPORT,C2
SRD,XFM
NOC,A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z,2,4,NAME,WDC.3
CATEGORY OF LABOR,1,2,3,4,5,6
TYPE MAINTENANCE CODES,A,B,C,D,E,H,J,P,Q,R,S,T,Y
WORKCENTERS TO AFSCS
4E210,4E210, INSPECTION SECTION
4E214,4E214, ENGINE INSPECTION
4E220,4E27E1, CORROSION CNTRL
4E230,4E23E3, FUEL SYS.
4E240,4E31E1, REPAIR & RECLAM.
4E250,4E3E2, EGRESS
4E260,4E260, TRANS. ALERT
4E320,4E320, ARMAMENT SYS.
4G111,4E31G1, 334 A/C FLT "A"
4G112,4E31G1, 334 A/C FLT "B"
4G113,4E31G1, 335 A/C FLT "A"
4G114,4E31G1, 335 A/C FLT "B"
4G115,4E31G1, 336 A/C FLT "A"
4G116,4E31G1, 336 A/C FLT "B"
4E642,4E642, 334 SPEC FLT "A"--ENGINES
4E682,4E642, 335 SPEC FLT "B"--ENGINES
4E6C2,4E642, 336 SPEC FLT "C"--ENGINES
4E340,4E340, 334 SPEC FLT "A"--ELECTRICAL
4E340,4E340, 335 SPEC FLT "B"--ELECTRICAL
4E3C0,4E310, 336 SPEC FLT "C"--ELECTRICAL
4E344,4E3C4, 334 SPEC FLT "A"--PNEUDRAULICS
4E344,4E344, 335 SPEC FLT "B"--PNEUDRAULICS
4E3C4,4E314, 336 SPEC FLT "C"--PNEUDRAULICS
4E341,4E351, 334 SPEC FLT "A"--ENVIRONMENTAL
4E341,4E341, 335 SPEC FLT "B"--ENVIRONMENTAL
4E3C1,4E311, 336 SPEC FLT "C"--ENVIRONMENTAL
3E5A0,3E5C0, 334 SPEC FLT "A"--COMMUNICATIONS
3E550,3E540, 335 SPEC FLT "B"--COMMUNICATIONS
3E5C0,3E510, 336 SPEC FLT "C"--COMMUNICATIONS
3E5A1,3E5C1, 334 SPEC FLT "A"--NAVIGATION
3E5A1,3E541, 335 SPEC FLT "B"--NAVIGATION
3E5C1,3E511, 336 SPEC FLT "C"--NAVIGATION
3E5A4,3E564, 334 SPEC FLT "A"--INERTIAL NAVIGATION
3E5A4,3E544, 335 SPEC FLT "B"--INERTIAL NAVIGATION
3E5C4,3E514, 336 SPEC FLT "C"--INERTIAL NAVIGATION
3E5A0,3E560, 334 SPEC FLT "A"--AUTOPILOT
```

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

```

32580,32580, 335 SPEC FLT "9"--AUTOPILOT
32580,32510, 336 SPEC FLT "C"--AUTOPILOT
32541,32561, 334 SPEC FLT "A"--INSTRUMENTS
32581,32581, 335 SPEC FLT "9"--INSTRUMENTS
32581,32511, 336 SPEC FLT "C"--INSTRUMENTS
32142,32192, 334 SPEC FLT "A"--WEAPONS CNTRL
32152,32142, 335 SPEC FLT "8"--WEAPONS CNTRL
32152,32112, 336 SPEC FLT "C"--WEAPONS CNTRL
40441,40441, 334 SPEC FLT "A"--PHOTO
40481,40481, 335 SPEC FLT "8"--PHOTO
40481,40411, 336 SPEC FLT "C"--PHOTO
32242,32242, 334 SPEC FLT "A"--SENSOR
32282,32242, 335 SPEC FLT "9"--SENSOR
32282,32212, 336 SPEC FLT "C"--SENSOR
42745,42765, 334 SPEC FLT "A"--STRUC. REPAIR
42785,42745, 335 SPEC FLT "8"--STRUC. REPAIR
42785,42715, 336 SPEC FLT "C"--STRUC. REPAIR
46131,46260, 334 WEAPONS FLT
46132,46240, 335 WEAPONS FLT
46133,46210, 336 WEAPONS FLT
46110,32580, COMM/NAV--325X1
46120,32580, AFCS/INSTR--325X1
46130,32580, INERTIAL NAVIGATION
46140,40481, PHOTO
46150,32582, SENSOR
46160,42340, ELECTRICAL
46170,32583, ELECTRONIC COUNTER MEASURES
46180,32182, WEAPONS CONTROL
46191,32152, RADAR CALIBRATION
46210,42682, JET ENG. SHOP
46220,46220, TEST CELL
46310,42784, METAL PROCESSING
46320,42784, STRUCTURAL REPAIR
46330,42783, SURVIVAL EQ.
46340,42740, MACHINE SHOP
46350,42382, PNEUMATICS
46360,42381, ENVIRONMENTAL
46370,42782, NON-DESTRUCTIVE INSP.
END

```

\*\*\*\*\* END OF PROCESSING 89 USER-DIRECTIVES

SUMMA = 70200, ACTIVITY = 02, REPORT CODE = 01, RECORD COUNT = 000141

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

REPORT 501

CDEP STANDARD M.I.S. VERSION 1.1  
 USER INPUT SELECTION SUMMARY  
 REPORT GROUP TITLE-S.J.-WC-ALL

PAGE 1

WDS VALUE: FROM USER \*\*\*NONE\*\*, FROM '94' DATA \*\*\*NONE\*\*

NO. OF SORTIES = 7589

NO. OF FLYING-HOURS = \*\*\*NONE\*\*

ADPK CENTER TO AFSC CONVERSIONS

32142	32162
32152	32142
321C2	32112
32242	32262
32782	32242
322C2	32212
32540	32560
32541	32561
32580	32540
32581	32541
325C0	32510
325C1	32511
32440	32460
32441	32461
32444	32464
32460	32440
32461	32441
32464	32444
328C0	32810
328C1	32811
328C4	32814
40441	40461
40481	40441
404C1	40411
42340	42360
42341	42361
42344	42364
42380	42340
42381	42341
42384	42344
423C0	42310
423C1	42311
423C4	42314
42642	42662
42682	42642
424C2	42612
42745	42765
42785	42745
427C5	42715
4E210	4E210
4E214	4E214
4E220	4E214

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

CDEP STANDARD H.I.S. VERSION 1.1  
 USER INPUT SELECTION SUMMARY  
 REPORT S01 REPORT GROUP TITLE-S.J.-WC-ALL

PAGE 2

4E230	423E3
4E240	431E1
4E250	423E2
4E260	4E260
4E320	4E320
4G111	431G1
4G112	431G1
4G113	431G1
4G114	431G1
4G115	431G1
4G116	431G1
4G131	462G0
4G132	462M0
4G133	462I0
4R110	322R0
4R120	325R0
4R130	328R4
4R140	404R1
4R150	322R2
4R160	423R0
4R170	328R3
4R180	321R2
4R191	321R2
4R210	425R2
4R220	4R220
4R310	427R3
4R320	427R5
4R330	427R3
4R340	427R0
4R350	423R4
4R360	423R1
4R370	427R2

SELECTION OPTION - CATEGORY OF LABOR  
 USER-SELECTED: 5,5,4,3,2,1

SELECTION OPTION - ASSIGNMENT CODE  
 DEFAULTS USED: ALL

SELECTION OPTION - TYPE MAINTENANCE  
 USER-SELECTED: Y,T,S,R,Q,P,J,W,E,D,C,B,A

SELECTION OPTION - QUEEN BEE ENGINES  
 DEFAULTS USED: INCLUDED

SELECTION OPTION - COMPONENT POSITION  
 DEFAULTS USED: EXCLUDED

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

CDEP STANDARD W.I.S. VERSION 1.1  
REPORT S01 USER INPUT SELECTION SUMMARY  
REPORT GROUP TITLE-S.J.-WC-ALL

PAGE 3

SELECTION OPTION - ACTIVITY ID/COMMAND ID  
DEFAULTS USED: ALL

SELECTION OPTION - 3 DIGIT WUC'S  
DEFAULTS USED: ALL

REPORT GROUP TITLE: S.J.-WC-ALL

REPORT SA GENERATED

REPORT SB GENERATED

REPORT SC GENERATED

REPORT SD GENERATED

REPORT SE GENERATED

REPORT SF GENERATED

REPORT SG GENERATED

REPORT SH GENERATED

LIST OF USER-SELECTED SRD'S  
XFH, AFT

REPORTS TO BE OUTPUT BY COMBINATION REPORTS PROGRAM

REPORT C01  
SRD'S: XFH, AFT  
WDC'S (SPEC INSPECTION SET):  
BLANK

REPORT C22  
SRD'S: XFH  
WDC'S (WDC.3 SET):  
4, 2, Z, Y, X, W, V, U, T, S, R, Q, P, N, M, L, K, J, H, G, F, E, D, C, B, A

REPORT C31  
SRD'S: XFH, AFT  
WDC'S (WDC.2 SET):  
4, 2, Z, Y, X, W, V, U, T, S, R, Q, P, N, M, L, K, J, H, G, F, E, D, C, B, A

REPORT C41  
SRD'S: XFH, AFT  
WDC'S (WDC.2 SET):  
4, 2, Z, Y, X, W, V, U, T, S, R, Q, P, N, M, L, K, J, H, G, F, E, D, C, B, A

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

CDEP STANDARD H.I.S. VERSION 1.1  
REPORT S01 USER INPUT SELECTION SUMMARY  
REPORT GROUP TITLE-S.J.-WC-ALL

PAGE 4

REPORT C21  
SRD'S: AFT  
WDC'S (WDC.1 SET):  
4,2,Z,Y,X,W,V,U,T,S,R,Q,P,N,M,L,K,J,H,G,F,E,D,C,B,A

SNUMB = 7020U, ACTIVITY # = 02, REPORT CODE = 00, RECORD COUNT = 000038

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

CDEP STANDARD H.I.S. VERSION 1.1  
 REPORT S00 INPUT DATA SELECTION SUMMARY  
 REPORT GROUP TITLE-S.J.-WC-ALL

PAGE 1

INPUT:	NO. OF RECORDS	NO. OF MAN-HOURS
INPUT FROM BASE-LEVEL HISTORY FILE	255928	1011187.0

OUTPUT:	NO. OF RECORDS	NO. OF MAN-HOURS
REJECTED BECAUSE THE RECORD:		
0-DUPLICATES ITS PRECEDING RECORD	47219	87259.6
1-HAS UNWANTED WORKCENTER (INDIRECT)	7613	105957.6
2-HAS UNWANTED SRO	102418	420927.0
3-HAS UNWANTED CATEGORY OF LABOR	0	0.0
4-HAS UNWANTED ACFT ASSIGNMENT CODE	0	0.0
5-HAS UNWANTED ACTIVITY/COMMAND ID	0	0.0
6-HAS AN MDC RECORD-ID OF 2 OR 5	2295	0.0
7-HAS UNWANTED WORKCENTER (DIRECT)	2234	2338.9
8-HAS UNWANTED TYPE-MAINTENANCE CODE	2603	6942.2
9-HAS UNWANTED QUEEN BEE INDICATOR	0	0.0
10-HAS UNWANTED WHEN-DISCOVERED CODE	0	0.0
11-HAS UNWANTED 3 DIGIT WORKUNIT CODE	0	0.0
12-HAS AN MDC ACTION TAKEN CODE = E	0	0.0
13-DOESN'T FIT A SPECIFIED COMB. RPT.	0	0.0
14-HAS MAN-HOURS = ZERO	100 *	0.0
15-CONTAINS UNRECOGNIZABLE DATA	12	0.0
USED IN SELECTION REPORT		
SA INDIRECT MAN-HOURS REPORTED	7910	92494.4
SB WORKCENTRS NOT FOUND IN DIRECTIVES	2234 *	2338.9
SC SERIALY CNTRL'D REMOVE/INSTALL	909	0.0
SD SELECTED MAN-HOURS REPORTED	81354	293540.5
SE SCHEDULED INSPECTIONS REPORTED	7472 *	30065.8
SF SPECIAL INSPECTION REPORTED	8021 *	31290.3
SG TOTO WORK REPORTED	2	6.0
SH CANNIBALIZATION WORK REPORTED	1359	1720.8
PASSED TO THE COMBINATION PROGRAM		
MUC: 04XXX (SPEC. INSPECTION DATA)	7980 *	31290.3
MUC: 11000+ (OTHER COMB. REPT DATA)	55224 *	191752.3

\* NOTE: THESE RECORDS AND MANHOURS ARE REPORTED IN OTHER ENTRIES ON THIS REPORT

SNUMB = 70200, ACTIVITY # = 03, REPORT CODE = 74, RECORD COUNT = 000418

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

7020U 03 00-10-21 01.286 \* JG05A/CDEP/DET.REC

```

1      *      * JG05A/CDEP/DET.REC
2      *
3      *      * THIS PROGRAM DETERMINES THE PERCENTAGE OF RECORDS (AND
4      *      * MAN-HOURS) WHICH HAVE A SPECIFIED RECORD ID (1 OR 3) WITHIN
5      *      * AN AFSC OR WITHIN AN AFSC AND SRD. ALSO DETERMINED IS
6      *      * WHAT FRACTION OF THE RECORDS HAVE ACCEPTABLE TYPE
7      *      * MAINTENANCE AND WHEN DISCOVERED CODES.
8      *
9      INTEGER AFSCINDX,RECID,IDSRD
10     INTEGER OFFINDX(100),ILMINDX(100),TMINDX
11     REAL RECKNT(100,3,2),SUMHRS(100,3,2),INKNTR(100,2),
12     SOUTKNTR(100),ACCPTR(100,3,2),
13     INKNMT(100,2),OUTKNMT(100),MANHRS,ACCPTR(100,3,2)
14     REAL DUMREC(3),DUMHRS(3)
15     REAL OFFHRS(100)
16     CHARACTER AFSC*5(100),SRD*3(2,4),TYPMTN*1,WDC*1,WDCSET*1(17),
17     TMSET*1(5),NEWSRD*3
18     CHARACTER OFFMAP*5(100),ILMMAP*5(100),TMMAP*5,TMAP*5
19     LOGICAL NOILM
20
21     *      DATA RECKNT/600*0.0/,SUMHRS/600*0.0/,INKNTR/200*0.0/
22     DATA OUTKNTR/100*0.0/,INKNMT/200*0.0/,OUTKNMT/100*0.0/
23     DATA ACCPTR/600*0.0/,ACCPTR/600*0.0/
24     DATA WDCSET/'A','C','D','E','F','H','J','K','N','P','Q','R',
25     'V','Z','X','Y','TMSET/'B','C','D','J','S'/
26     DATA SRD/8*'/
27
28     *      READ (5,5) NUMSRD
29     READ (5,5) (SRD(1,J),J=1,NUMSRD)
30     READ (5,5) (SRD(2,J),J=1,NUMSRD)
31     READ (5,5) SORTIES
32     READ (5,5) NOILM
33     FORMAT (V)
34
35     *      WRITE (6,7) ((SRD(I,J),J=1,NUMSRD),I=1,NUMSRD)
36     FORMAT (8(3X,A3))
37
38     *      10 READ (1,20,END=30) AFSCINDX,TYPMTN,WDC,RECID,NEWSRD,MANHRS
39
40     *      DO 14 I=1,2
41
42     *      DO 12 J=1,NUMSRD
43     IF (SRD(I,J).EQ.1) GO TO 16
44     12 CONTINUE
45
46     *      14 CONTINUE
47
48     *      16 IDSRD=I
49     IF (RECID.GT.3) RECID=2
50
51     *      DO 21 I=1,5
52     IF (TYPMTN.EQ.TMSET(I)) GO TO 22

```

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)



7020U 03 09-10-81 01.286 \* JG05A/CDEP/DET.REC

```

53      21      CONTINUE
54      *
55      GO TO 25
56      *
57      22      DO 23 J=1,17
58              IF (WOC.EQ.WOCSET(J)) GO TO 24
59      23      CONTINUE
60      *
61      GO TO 25
62      24      ACCPTR(AFSCINDX,RECID,IDSRO)=ACCPTR(AFSCINDX,RECID,IDSRO)+1
63      ACCPTM(AFSCINDX,RECID,IDSRO)=ACCPM(AFSCINDX,RECID,IDSRO)+
64      *
65      25      RECKNT(AFSCINDX,RECID,IDSRO)=RECKNT(AFSCINDX,RECID,IDSRO)+1
66      SUMHRS(AFSCINDX,RECID,IDSRO)=SUMHRS(AFSCINDX,RECID,IDSRO)+
67      *
68      INKNTR(AFSCINDX,IDSRO)=INKNTR(AFSCINDX,IDSRO)+1
69      INKNTM(AFSCINDX,IDSRO)=INKNTM(AFSCINDX,IDSRO)+MANHRS
70      OUTKNTR(AFSCINDX)=OUTKNTR(AFSCINDX)+1
71      OUTKNTM(AFSCINDX)=OUTKNTM(AFSCINDX)+MANHRS
72      GO TO 10
73      20      FORMAT (I2,2A1,I1,A3,F4.0)
74      30      CONTINUE
75      *
76      DO 42 I=1,100
77          READ (2,40,END=43) AFSC(I)
78          FORMAT (2X,A5)
79      40      CONTINUE
80      *
81      43      JJ=I-1
82      L=0
83      *
84      DO 40 I=1,JJ
85          L=L+1
86          IF (L.EQ.4) WRITE (6,50)
87          IF (L.EQ.4) L=0
88      50      FORMAT ('1')
89          WRITE (6,60)
90      60      FORMAT ('0',' AFSC  REC ID  SRO  # REC  % IN ',
91      4  ' % OUT # MHRS % IN % OUT ACC REC  % ACC MANHRS',
92      3  ' %')
93      *
94      * THE SRO OF THE FIRST MDS IS USED WHEN MORE THAN ONE
95      * SERIES OF IN MDS IS PRESENT.
96      *
97      VIEWSRO=SRO(1,1)
98      *
99      DO 30 K=1,2
100         IF (INKNTR(I,K).LT.0.001) INKNTR(I,K)=1.0
101         IF (OUTKNTR(I).LT.0.001) OUTKNTR(I)=1.0
102         IF (INKNTM(I,K).LT.0.001) INKNTM(I,K)=1.0
103         IF (OUTKNTM(I).LT.0.001) OUTKNTM(I)=1.0
104      *

```

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

7020U 03 09-10-81 01.286 \* JG05A/CDEP/DET.REC

```

105      DO 65 J=1,3
106          DUMREC(J)=RECKNT(I,J,K)
107          DUMHRS(J)=SUMHRS(I,J,K)
108          IF (RECKNT(I,J,K).LT.0.001) DUMREC(J)=0.001
109          IF (SUMHRS(I,J,K).LT.0.001) DUMHRS(J)=0.001
110      65  CONTINUE
111      *
112          WRITE (6,70) (AFSC(I),J,NEWSRD,RECKNT(I,J,K),
113      8      RECKNT(I,J,K)/INKNTR(I,K)*100.,RECKNT(I,J,K)/OUTKNTR(I)*
114      8      100.,
115      8      SUMHRS(I,J,K),SUMHRS(I,J,K)/INKNTM(I,K)*100.,
116      8      SUMHRS(I,J,K)/OUTKNTM(I)*100.,ACCPTR(I,J,K),
117      8      ACCPTR(I,J,K)/DUMREC(J)*100.,ACCPTR(I,J,K),
118      8      ACCPTM(I,J,K)/DUMHRS(J)*100.,J=1,3)
119      70  FORMAT (2X,A5,4X,I1,6X,A3,2X,F6.0,1X,F6.2,1X,F6.2,
120      4      1X,F7.0,1X,F6.2,1X,F6.2,3X,F6.0,2X,F6.2,3X,F7.0,4X,F6.2)
121          NEWSRD=SRD(2,1)
122      80  CONTINUE
123      *
124      90  CONTINUE
125          IF (.NOT.NOILM) STOP
126      *
127      *   * THIS PORTION OF DET.REC DETERMINES THE RATE, IN MAN-HOURS
128      *   * PER SORTIE, THAT UNSCHEDULED OFF-EQUIPMENT MAINTENANCE
129      *   * IS REQUIRED. IT DOES THIS BY ACCUMULATING MAN-HOURS FOR
130      *   * RECORDS WITH A RECORD ID OF 3, OR 1 IF THE SRD BELONGS TO
131      *   * AN ENGINE.
132      *
133      *   * TWO FILES ARE READ IN FROM CATALOGS OFFMAP AND ILMAP. ONE
134      *   * FILE IS READ FROM EACH CATALOG. THE OFFMAP CATALOG CONTAINS
135      *   * A FILE FOR EACH BASE AND AIRCRAFT TYPE AT THAT BASE. IN
136      *   * THIS FILE IS A LIST OF OFF-EQ. AFSC S AND NUMBERS TO INDICATE
137      *   * THEIR POSITION.
138      *
139      *   * CATALOG ILMAP ALSO CONTAINS A FILE FOR EACH BASE AND AIR-
140      *   * CRAFT TYPE. IN THESE FILES ARE MAPPINGS TO PUT TOGETHER
141      *   * DIFFERENT WORK CENTERS WHICH DO THE SAME WORK. WHEN PUT
142      *   * TOGETHER THE INDEX CORRESPONDS TO THE NUMBERING OF AFSC S IN
143      *   * THE OFFMAP CATALOG (FILE).
144      *
145      *
146      *
147      *   * READ OFFMAP AND ILMAP FILES
148      *
149      DO 105 I=1,100
150          READ (03,100,END=110) OFFINDX(I),OFFMAP(I)
151          WRITE (6,102) OFFINDX(I),OFFMAP(I)
152      100  FORMAT (I2,A5)
153      102  FORMAT (1X,I2,A5)
154      105  CONTINUE
155      *
156      110  LAST2=I-1

```

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

```

157      *
158      DO 120 I=1,100
159          READ (04,115,END=130) ILMMAP(I),ILMINOX(I)
160      115  FORMAT (1X,A5,1X,I2)
161      120  CONTINUE
162      *
163      130  LAST=I-1
164      *
165      *   *   END INPUT.
166      *
167      *   *   ALPHABETIZE OFFMAP AND ILMMAP. THIS IS DONE TO ALLOW ONE
168      *   *   PASS WHEN COMPARING ILMMAP AFSC S TO THOSE IN THE AFSC
169      *   *   ARRAY (MAP 2).
170      *
171      WRITE (6,135) LAST, LAST2
172      135  FORMAT (10X,'LAST=',I3,' LAST2=',I3)
173      *
174      DO 150 I=1, LAST-1
175      *
176          DO 140 J=1, LAST-I
177      *
178              IF (ILMMAP(J).LE.ILMMAP(J+1)) GO TO 138
179              TMMAP=ILMMAP(J)
180              ILMMAP(J)=ILMMAP(J+1)
181              ILMMAP(J+1)=TMMAP
182              TMINOX=ILMINOX(J)
183              ILMINOX(J)=ILMINOX(J+1)
184              ILMINOX(J+1)=TMINOX
185      138  CONTINUE
186      *
187      140  CONTINUE
188      *
189      150  CONTINUE
190      *
191      DO 170 M=1, LAST2-1
192      *
193          DO 160 N=1, LAST2-M
194      *
195              IF (OFFMAP(N).LE.OFFMAP(N+1)) GO TO 155
196              TFMAP=OFFMAP(N)
197              OFFMAP(N)=OFFMAP(N+1)
198              OFFMAP(N+1)=TFMAP
199      155  CONTINUE
200      *
201      160  CONTINUE
202      *
203      170  CONTINUE
204      *
205      *   *   END OF ALPHABETIZATION. PRINT RESULTING ORDERS TO BE SURE
206      *   *   AFSC S MATCH.
207      *
208      WRITE (6,130)

```

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

7020U 03 00-10-A1 01.246 \* JG05A/CDEP/DET.REC

```

209      190  FORMAT ('1',30X,'ILMMAP'//30X,'AFSC',3X,'INDEX'//)
210      WRITE (6,190) (ILMMAP(I),ILMINDX(I),I=1,LAST)
211      190  FORMAT (30X,A5,3X,I2)
212      *
213      WRITE (6,200)
214      200  FORMAT ('1',30X,'OFFMAP'//30X,'AFSC',3X,'INDEX'//)
215      WRITE (6,210) (OFFMAP(I),OFFINDX(I),I=1,LAST2)
216      210  FORMAT (30X,A5,3X,I2)
217      *
218      *
219      *   * MATCH ILMMAP AFSC S TO THOSE IN MAP 2, THAT IS ARRAY AFSC.
220      *   * USING THE INDEX ASSOCIATED WITH ILMMAP DETERMINES THE POSITION
221      *   * IN THE OFFHRS ARRAY.
222      *
223      *
224      DO 240 I=1, LAST
225      *
226          J=I
227      215  IF (ILMMAP(I).NE.AFSC(J)) GO TO 230
228      *
229          DO 220 K=1,2
230              OFFHRS(ILMINDX(I))=OFFHRS(ILMINDX(I)) + ACCEPTM(J,3,K)
231      220  CONTINUE
232      *
233          OFFHRS(ILMINDX(I))=OFFHRS(ILMINDX(I)) + ACCEPTM(J,1,2)
234          GO TO 235
235      230  J=J+1
236          GO TO 215
237      235  CONTINUE
238      *
239      240  CONTINUE
240      *
241      *
242      *   * PRINT AND WRITE INTERMEDIATE LEVEL MAINTENANCE MAN-HOURS AND
243      *   * MAN-HOURS PER SORTIE.
244      *
245      WRITE (6,250)
246      250  FORMAT ('1',20X,'AC = AFSC TOTAL MANHOURS'//,37X,
247      $      'MAN-HOURS PER SORTIE')
248      WRITE (6,260) (I,OFFMAP(I),OFFHRS(I)/10.,
249      $OFFHRS(I)/(10.*SORTIES),I=1, LAST2)
250      260  FORMAT (23X,I2,3X,A5,5X,F7.1,5X,F7.4)
251      STOP
252      END
*****
7 MEMORY EXPANDED. USE SLIMITS OR CORE= OPTION FOR NEXT RUN

```

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

LABEL ..... PAGE 6

## TRANSFERS...

FROM LINE# TO LINE#	FROM LINE# TO LINE#	FROM LINE# TO LINE#	FROM LINE# TO LINE#
251	236	227	195
17A	159	163	81
3A	61	65	77
43	3A	74	52
			235
			EXIT
			56
			65
			199
			57

C-111

70200 04 09-10-A1 01.P06 \* JC05A/CDEP/DTT.REC

TRANSFERS....

LARFL ..... PAGE 7

TO LINE# FROM LINE#	TO LINE# FROM LINE#	TO LINE# FROM LINE#	TO LINE# FROM LINE#
247 230	227 236	199 195	185 17A
163 159	81 77	70 38	65 56
65 61	57 52	48 43	38 72
EXIT 251	EXIT 148		

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

70200 03 09-10-81 01.286 4 JG05A/CDEP/DFI.REC

ORIGIN SYMBOLIC REFERENCES BY ALTER NUMBER

ORIGIN	SYMBOLIC	REFERENCES BY ALTER NUMBER
2	.ASCR.	
1	.DATA.	
7065	.E.L..	
5	.FCHM.	
10	.FCNVC	
13	.FCNVT	
11	.FCNVL	
12	.FCNVR	
3	.FCOM.	
4	.FFXIT	
6	.FFIL.	
15	.FRDD.	
7	.FRIN.	
14	.FRRO.	
2	.SYMT.	
2470	ACCPTR	
664	ACCPTR	
346	AFSC	
7106	AFSCINDX	
656	DIUMRS	
661	DIUMREC	
7100	I	
7114	INSRD	
6550	ILMINDX	
0	ILMAP	
2160	INKNTM	
3764	INKNIR	
7072	J	
7122	JJ	
7150	K	
7123	L	
7212	LAST	
7212	LASTP	
7233	M	
7113	MANURS	
7235	N	
7112	NEW3RD	
7071	NUMSHD	
512	OFFHRS	
6720	OFFINDX	
144	OFFMAP	
2014	OUTKNIM	
3620	OUTKNIR	
7111	REFID	
5024	REFCKNT	

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

70200 03 09-10-81 01.256 \* JG05A/CDEP/DET.REC

7073	SORTIES	.DATA.	31	248					
334	SPO	.DATA.	16	26	29	30	35	43	97 121
427	SUMMRS	.DATA.	11	21	66	107	109	112	
7236	TFMAP	.DATA.	18	196	198				
7231	TMINCX	.DATA.	10	182	184				
7230	TMMAP	.DATA.	18	179	181				
310	TMSET	.DATA.	16	24	52				
7107	TYPMTN	.DATA.	16	38	52				
7110	WOC	.DATA.	16	38	58				
315	WOCSET	.DATA.	16	26	58				
7070	.S5	FORMAT	28	29	30	31	32	33	
7076	.S7	FORMAT	35	36					
126	.S10		38	72					
170	.S12		42	44					
175	.S14		40	46					
201	.S16		43	48					
7102	.S20	FORMAT	38	73					
220	.S21		51	53					
225	.S22		52	57					
234	.S23		57	59					
241	.S24		58	62					
247	.S25		55	61	65				
344	.S30		38	74					
7120	.S40	FORMAT	77	78					
363	.S42		76	79					
367	.S43		77	81					
7124	.S50	FORMAT	86	88					
7125	.S60	FORMAT	89	90					
560	.S65		105	110					
7155	.S70	FORMAT	112	119					
702	.S80		99	122					
710	.S90		84	124					
7206	.S100	FORMAT	150	152					
7210	.S102	FORMAT	151	153					
760	.S105		149	154					
764	.S110		150	156					
7214	.S115	FORMAT	159	160					
1010	.S120		158	161					
1014	.S130		159	163					
7220	.S135	FORMAT	171	172					
1074	.S138		178	185					
1074	.S140		176	187					
1101	.S150		174	189					
1137	.S155		195	199					
1137	.S160		193	201					
1144	.S170		191	203					
7237	.S180	FORMAT	208	209					
7247	.S190	FORMAT	210	211					
7252	.S200	FORMAT	213	214					
7262	.S210	FORMAT	215	216					
1240	.S215		227	236					

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)



7020U 03 09-10-81 01.286 \* JG05A/CDEP/DET.REC

1263 .S220		229	231
1277 .S230		227	235
1301 .S235		234	237
1301 .S240		224	239
7265 .S250	FORMAT	245	246
7303 .S260	FORMAT	248	250

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

70200 03 09-10-81 01.286 \* J0954/CDEP/DET.REC

EDIT DATE 07-29-75 \*SR 8/F

	ELAPSED TIME (SEC)	LINES/ MINUTE
OVERHEAD	.20	
PHASE 1	.77	19463
PHASE 2	.02	
PHASE 4	1.27	11343
PHASE 5	1.16	12971
TOTAL	3.44	4386

TOTAL TIME 3.47

THERE WERE 1 DIAGNOSTICS IN ABOVE COMPILATION  
28K APPDS WERE USED FOR THIS COMPILATION

SNUMR = 70200, ACTIVITY = 04, REPORT CODE = 74, RECORD COUNT = 000024

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

ORIGIN DATE MODULE ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

\$ OPTION FORTRAN,NOMAP

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

ALLOCATED CORE 000000 THRU 031777 032000  
 RELOCATABLE 004250 THRU 031777 025530  
 \$ PRMFL 02,R,S,JG05A/CDEP/OUTPNT/P2.X2  
 \$ PRMFL 03,R,S,JG05A/CDEP/OFFMAP/SJ80  
 \$ PRMFL 04,R,S,JG05A/CDEP/ILMMAP/SJ80  
 \$ TAPE9 01,T10  
 \$ DATA 05

FCB AND BUFFER SPACE 000101 THRU 004247 004147  
 AVAILABLE 000101 THRU 004247 004147  
 FILE CTRL BLKS 003742 THRU 004250 000307  
 MAXIMUM BUFFER SPACE REQUIRED 004307

14K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN  
 001130 LOCATIONS REQUIRED FOR LOAD TABLE  
 EXECUTION PROGRAM ENTERED AT 030422 THROUGH .FSETU

SNUMR = 70200, ACTIVITY # = 04, REPORT CODE = 06, RECORD COUNT = 000672

AFT

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32162	1	AFT	1963	100.00	100.00	33112	100.00	100.00	1927	98.17	32519	98.21
32162	2	AFT	0	0	0	0	0	0	0	0	0	0
32162	3	AFT	0	0	0	0	0	0	0	0	0	0
32162	1	XFH	0	0	0	0	0	0	0	0	0	0
32162	2	XFH	0	0	0	0	0	0	0	0	0	0
32162	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32162	1	AFT	2380	100.00	100.00	63663	100.00	100.00	2358	99.08	63374	99.55
32162	2	AFT	0	0	0	0	0	0	0	0	0	0
32162	3	AFT	0	0	0	0	0	0	0	0	0	0
32162	1	XFH	0	0	0	0	0	0	0	0	0	0
32162	2	XFH	0	0	0	0	0	0	0	0	0	0
32162	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32112	1	AFT	3054	100.00	100.00	75677	100.00	100.00	3045	49.74	75433	49.68
32112	2	AFT	0	0	0	0	0	0	0	0	0	0
32112	3	AFT	0	0	0	0	0	0	0	0	0	0
32112	1	XFH	0	0	0	0	0	0	0	0	0	0
32112	2	XFH	0	0	0	0	0	0	0	0	0	0
32112	3	XFH	0	0	0	0	0	0	0	0	0	0

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
321R2	1	AFT	9.	0.30	0.30	197.	0.17	0.17	6.	66.67	83.25
321R2	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
321R2	3	AFT	3074.	99.70	99.70	110A15.	99.83	99.83	2421.	93158.	78.41
321R2	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
321R2	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
321R2	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
321S2	1	AFT	2313.	100.00	100.00	42966.	100.00	100.00	1225.	52.96	59.46
321S2	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
321S2	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
321S2	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
321S2	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
321S2	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
322G2	1	AFT	208.	100.00	100.00	5378.	100.00	100.00	193.	92.79	92.97
322G2	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
322G2	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
322G2	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
322G2	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
322G2	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
322H2	1	AFT	149.	100.00	100.00	4943.	100.00	100.00	149.	100.00	100.00
322H2	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
322H2	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
322H2	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
322H2	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
322H2	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32212	1	AFT	78.	100.00	100.00	2683.	100.00	100.00	66.	84.62	2534.	87.89
32212	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32212	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32212	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32212	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32212	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32212	1	AFT	99.	45.83	45.83	2626.	28.53	28.53	98.	98.99	2823.	99.89
32212	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32212	3	AFT	117.	54.17	54.17	7079.	71.47	71.47	115.	98.29	6969.	98.45
32212	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32212	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32212	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32560	1	AFT	78.	100.00	100.00	2879.	100.00	100.00	73.	93.59	2752.	95.59
32560	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32560	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32560	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32560	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32560	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32561	1	AFT	517.	100.00	100.00	14226.	100.00	100.00	512.	99.03	14074.	98.93
32561	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32561	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32561	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32561	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32561	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
325H0	1	AFT	314	100.00	100.00	16760	100.00	100.00	305	97.13	16510	98.51
325H0	2	AFT	0	0	0	0	0	0	0	0	0	0
325H0	3	AFT	0	0	0	0	0	0	0	0	0	0
325H0	1	XFH	0	0	0	0	0	0	0	0	0	0
325H0	2	XFH	0	0	0	0	0	0	0	0	0	0
325H0	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
325H1	1	AFT	812	100.00	100.00	26325	100.00	100.00	797	98.15	25993	98.74
325H1	2	AFT	0	0	0	0	0	0	0	0	0	0
325H1	3	AFT	0	0	0	0	0	0	0	0	0	0
325H1	1	XFH	0	0	0	0	0	0	0	0	0	0
325H1	2	XFH	0	0	0	0	0	0	0	0	0	0
325H1	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32510	1	AFT	231	100.00	100.00	6065	100.00	100.00	217	93.94	5867	97.07
32510	2	AFT	0	0	0	0	0	0	0	0	0	0
32510	3	AFT	0	0	0	0	0	0	0	0	0	0
32510	1	XFH	0	0	0	0	0	0	0	0	0	0
32510	2	XFH	0	0	0	0	0	0	0	0	0	0
32510	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32511	1	AFT	710	99.86	99.86	33365	99.93	99.93	702	98.87	33234	99.61
32511	2	AFT	0	0	0	0	0	0	0	0	0	0
32511	3	AFT	1	0.10	0.14	23	0.07	0.07	1	100.00	23	100.00
32511	1	XFH	0	0	0	0	0	0	0	0	0	0
32511	2	XFH	0	0	0	0	0	0	0	0	0	0
32511	3	XFH	0	0	0	0	0	0	0	0	0	0

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CGNT'D)

AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
325R0	1	AFT	110.	18.90	14.64	7229.	15.08	14.89	110.	35.48	3273.	45.28
325R0	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325R0	3	AFT	1330.	81.10	79.98	40721.	84.92	83.87	1224.	92.03	36979.	90.81
325R0	1	XFH	23.	100.00	1.38	602.	100.00	1.24	19.	82.61	566.	94.02
325R0	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325R0	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32830	1	AFT	410.	100.00	100.00	12289.	100.00	100.00	406.	99.02	12196.	99.24
32830	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32830	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32830	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32830	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32830	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32861	1	AFT	265.	100.00	100.00	4818.	100.00	100.00	263.	99.25	4808.	99.79
32861	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32861	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32861	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32861	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32861	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32864	1	AFT	202.	99.51	99.51	3087.	99.36	99.36	202.	100.00	3087.	100.00
32864	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32864	3	AFT	1.	0.49	0.49	20.	0.64	0.64	1.	100.00	20.	100.00
32864	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32864	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32864	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32RH0	1	AFT	448.	100.00	100.00	13377.	100.00	100.00	439.	97.99	13299.	99.02
32RH0	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH0	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH0	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH0	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH0	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32RH1	1	AFT	917.	100.00	100.00	14966.	100.00	100.00	911.	99.35	14816.	99.00
32RH1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH1	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32RH4	1	AFT	380.	100.00	100.00	8950.	100.00	100.00	363.	95.53	8584.	95.91
32RH4	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH4	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH4	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH4	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RH4	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32R10	1	AFT	570.	100.00	100.00	19175.	100.00	100.00	560.	98.25	18861.	98.36
32R10	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32R10	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32R10	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32R10	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32R10	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)



AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32811	1	AFT	804.	100.00	100.00	24764.	100.00	100.00	804.	99.50	24536.	99.08
32811	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32811	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32811	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32811	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32811	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32814	1	AFT	889.	100.00	100.00	9291.	100.00	100.00	489.	100.00	9291.	100.00
32814	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32814	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32814	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32814	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32814	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32880	1	AFT	145.	6.59	6.59	1559.	2.92	2.92	104.	71.72	950.	60.94
32880	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32880	3	AFT	2054.	93.41	93.41	51786.	97.08	97.08	1821.	88.66	47760.	92.23
32880	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32880	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32880	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32883	1	AFT	1961.	89.38	89.38	62878.	85.58	85.58	1829.	93.27	59504.	94.63
32883	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32883	3	AFT	233.	10.62	10.62	10597.	14.42	14.42	232.	99.57	10457.	98.68
32883	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32883	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32883	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MIRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
32RR4	1	AFT	1298.	59.66	59.63	24382.	52.14	52.11	1171.	90.49	22179.	90.96
32RR4	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32RR4	3	AFT	875.	40.34	40.32	22363.	47.86	47.84	835.	95.43	21154.	94.51
42RR4	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42RR4	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42RR4	3	XFH	1.	100.00	0.05	25.	100.00	0.05	1.	100.00	25.	100.00
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MIRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
404G1	1	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404G1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404G1	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404G1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404G1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404G1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MIRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
404H1	1	AFT	32.	100.00	100.00	307.	100.00	100.00	28.	87.50	274.	89.25
404H1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404H1	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404H1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404H1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404H1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MIRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
404I1	1	AFT	1.	100.00	100.00	10.	100.00	100.00	1.	100.00	10.	100.00
404I1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404I1	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404I1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404I1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
404I1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
404R1	1	AFT	37	76.06	26.06	1068	29.08	24.08	35	94.59	1020	95.51
404R1	2	AFT	0	0	0	0	0	0	0	0	0	0
404R1	3	AFT	105	73.94	73.94	2605	70.92	70.92	94	89.52	2342	89.90
404R1	1	XFH	0	0	0	0	0	0	0	0	0	0
404R1	2	XFH	0	0	0	0	0	0	0	0	0	0
404R1	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
423F2	1	AFT	5404	100.00	100.00	150171	100.00	100.00	4461	82.55	130147	86.67
423F2	2	AFT	0	0	0	0	0	0	0	0	0	0
423F2	3	AFT	0	0	0	0	0	0	0	0	0	0
423F2	1	XFH	0	0	0	0	0	0	0	0	0	0
423F2	2	XFH	0	0	0	0	0	0	0	0	0	0
423F2	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
423E3	1	AFT	965	77.02	77.02	78323	69.52	69.52	403	93.58	74121	98.64
423E3	2	AFT	0	0	0	0	0	0	0	0	0	0
423E3	3	AFT	288	22.98	22.98	34346	30.48	30.48	288	100.00	34346	100.00
423E3	1	XFH	0	0	0	0	0	0	0	0	0	0
423E3	2	XFH	0	0	0	0	0	0	0	0	0	0
423E3	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
423G0	1	AFT	512	100.00	100.00	17564	100.00	100.00	497	97.07	17208	97.97
423G0	2	AFT	0	0	0	0	0	0	0	0	0	0
423G0	3	AFT	0	0	0	0	0	0	0	0	0	0
423G0	1	XFH	0	0	0	0	0	0	0	0	0	0
423G0	2	XFH	0	0	0	0	0	0	0	0	0	0
423G0	3	XFH	0	0	0	0	0	0	0	0	0	0

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MHRS	%
423G1	1	AFT	566.	100.00	100.00	10614.	100.00	100.00	350.	95.63	10150.	95.63
423G1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G1	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MHRS	%
423G4	1	AFT	109.	100.00	100.00	15260.	100.00	100.00	297.	96.12	14865.	97.41
423G4	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G4	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G4	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G4	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423G4	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MHRS	%
423H0	1	AFT	839.	100.00	100.00	23816.	100.00	100.00	825.	98.33	23420.	98.34
423H0	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H0	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H0	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H0	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H0	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	RFC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MHRS	%
423H1	1	AFT	739.	100.00	100.00	27313.	100.00	100.00	709.	96.59	26459.	96.80
423H1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H1	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423H1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHR	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42314	1	AFT	385.	100.00	100.00	13885.	100.00	100.00	372.	96.62	13700.	98.67
42314	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHR	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42310	1	AFT	822.	100.00	100.00	30297.	100.00	100.00	809.	98.42	29760.	98.23
42310	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42310	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42310	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42310	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42310	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHR	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42311	1	AFT	544.	100.00	100.00	22938.	100.00	100.00	529.	97.24	22630.	98.66
42311	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42311	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42311	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42311	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42311	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHR	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42314	1	AFT	774.	100.00	100.00	30231.	100.00	100.00	749.	96.77	29251.	96.76
42314	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42314	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
423R0	1	AFT	258.	24.45	20.24	4306.	25.81	21.72	49.	18.99	1347.	25.39
423R0	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R0	3	AFT	797.	75.55	62.51	15254.	74.19	62.43	704.	88.33	13704.	89.84
423R0	1	XFH	10.	4.55	0.74	124.	3.34	0.53	9.	90.00	119.	92.25
423R0	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R0	3	XFH	210.	45.45	14.47	3740.	46.67	15.32	206.	98.10	3639.	47.20
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
423R1	1	AFT	123.	34.07	33.88	4296.	54.58	54.30	37.	30.08	1051.	24.00
423R1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R1	3	AFT	238.	45.94	45.56	3575.	45.42	45.18	229.	96.22	3278.	91.69
423R1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R1	3	XFH	2.	100.00	0.55	41.	100.00	0.52	2.	100.00	41.	100.00
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
423R4	1	AFT	496.	56.68	56.88	14297.	58.32	58.32	65.	13.10	2969.	16.23
423R4	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R4	3	AFT	376.	43.12	43.12	13075.	41.68	41.68	246.	65.43	8067.	61.70
423R4	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R4	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
423R4	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
426G2	1	AFT	206.	100.00	100.00	15121.	100.00	100.00	171.	83.01	13098.	86.62
426G2	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
426G2	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
426G2	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
426G2	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
426G2	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
426H2	1	AFT	574	100.00	100.00	27217	100.00	100.00	452	74.75	22893	84.11
426H2	2	AFT	0	0	0	0	0	0	0	0	0	0
426H2	3	AFT	0	0	0	0	0	0	0	0	0	0
426H2	1	XFH	0	0	0	0	0	0	0	0	0	0
426H2	2	XFH	0	0	0	0	0	0	0	0	0	0
426H2	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42612	1	AFT	841	100.00	100.00	42045	100.00	100.00	589	70.04	31077	73.91
42612	2	AFT	0	0	0	0	0	0	0	0	0	0
42612	3	AFT	0	0	0	0	0	0	0	0	0	0
42612	1	XFH	0	0	0	0	0	0	0	0	0	0
42612	2	XFH	0	0	0	0	0	0	0	0	0	0
42612	3	XFH	0	0	0	0	0	0	0	0	0	0
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
426R2	1	AFT	8	80.00	0.92	171	79.91	0.32	3	37.50	91	53.22
426R2	2	AFT	0	0	0	0	0	0	0	0	0	0
426R2	3	AFT	12	60.00	1.37	43	20.00	0.08	11	91.67	40	43.02
426R2	1	XFH	574	67.74	66.21	51147	95.76	95.38	370	64.01	36004	70.59
426R2	2	XFH	0	0	0	0	0	0	0	0	0	0
426R2	3	XFH	275	32.24	31.50	2260	4.24	4.22	98	35.64	350	15.46
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
427E1	1	AFT	74	96.10	89.16	2424	90.00	86.89	34	45.95	975	40.14
427E1	2	AFT	0	0	0	0	0	0	0	0	0	0
427E1	3	AFT	3	3.90	3.61	243	9.10	8.70	3	100.00	243	100.00
427E1	1	XFH	6	100.00	7.23	123	100.00	4.41	4	66.67	117	95.12
427E1	2	XFH	0	0	0	0	0	0	0	0	0	0
427E1	3	XFH	0	0	0	0	0	0	0	0	0	0

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42765	1	AFT	238.	100.00	100.00	9720.	100.00	100.00	238.	100.00	9720.	100.00
42765	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42765	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42765	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42765	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42765	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42765	1	AFT	77.	98.72	98.72	1700.	93.43	93.41	77.	100.00	1700.	100.00
42765	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42765	3	AFT	1.	1.28	1.28	120.	6.59	6.59	1.	100.00	120.	100.00
42765	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42765	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42765	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42715	1	AFT	336.	100.00	100.00	7435.	100.00	100.00	336.	100.00	7435.	100.00
42715	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42715	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42715	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42715	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42715	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
42760	1	AFT	404.	52.13	46.65	13073.	43.03	37.96	404.	90.10	11416.	87.34
42760	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42760	3	AFT	371.	47.87	42.84	17303.	56.07	50.24	371.	84.91	14647.	84.65
42760	1	XFH	29.	31.47	3.35	1680.	41.34	0.88	29.	100.00	1480.	100.00
42760	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42760	3	XFH	62.	68.13	7.16	2383.	58.65	6.92	62.	100.00	2383.	100.00

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)



AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
427R2	1	AFT	295.	27.96	21.24	7104.	33.38	25.20	204.	69.15	4769.	67.13
427R2	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R2	3	AFT	760.	72.04	54.72	14176.	66.62	50.28	526.	69.21	16385.	73.26
427R2	1	XFH	23.	6.89	1.66	432.	6.25	1.53	20.	86.96	388.	89.81
427R2	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R2	3	XFH	311.	93.11	22.39	6483.	93.75	22.99	140.	45.02	3221.	49.68
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
427R3	1	AFT	185.	97.37	97.37	3622.	97.18	97.18	3.	1.62	35.	0.97
427R3	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R3	3	AFT	5.	2.63	2.63	105.	2.82	2.82	1.	20.00	10.	9.52
427R3	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R3	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R3	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
427R4	1	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R4	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R4	3	AFT	260.	100.00	43.55	5269.	100.00	38.24	248.	95.38	5034.	95.54
427R4	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R4	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R4	3	XFH	337.	100.00	56.45	8439.	100.00	61.56	324.	96.14	8068.	95.60
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
427R5	1	AFT	2245.	77.74	74.07	59349.	69.02	62.81	1884.	83.92	50499.	85.09
427R5	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R5	3	AFT	643.	22.26	21.21	26635.	30.98	28.19	588.	91.45	24131.	90.60
427R5	1	XFH	7.	4.90	0.23	280.	3.29	0.30	7.	100.00	280.	100.00
427R5	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
427R5	3	XFH	136.	95.10	4.49	8224.	96.71	8.70	132.	97.06	7844.	95.38

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
431F1	1	AFT	1180.	94.70	94.70	94449.	95.93	95.93	1007.	85.34	83313.	88.21
431E1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
431F1	3	AFT	66.	5.30	5.30	4011.	4.07	4.07	66.	100.00	4011.	100.00
431F1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
431F1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
431E1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
431G1	1	AFT	1325.	100.00	100.00	25668.	100.00	100.00	1209.	91.25	23710.	92.37
431G1	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
431G1	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
431G1	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
431G1	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
431G1	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
462G0	1	AFT	204.	100.00	100.00	7188.	100.00	100.00	180.	88.24	6.42.	88.23
462G0	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462G0	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462G0	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462G0	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462G0	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
462H0	1	AFT	1442.	100.00	100.00	52348.	100.00	100.00	1377.	95.49	50899.	97.23
462H0	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462H0	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462H0	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462H0	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
462H0	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
46210	1	AFT	243.	100.00	100.00	15917.	100.00	100.00	236.	97.12	99.30
46210	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46210	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46210	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
46210	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
46210	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
46210	1	AFT	1944.	100.00	99.74	44020.	100.00	99.09	1155.	59.41	65.52
46210	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46210	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46210	1	XFH	4.	80.00	0.21	400.	99.26	0.90	4.	100.00	100.00
46210	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
46210	3	XFH	1.	20.00	0.05	3.	0.74	0.01	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
46214	1	AFT	316.	100.00	100.00	21981.	100.00	100.00	139.	43.99	16.71
46214	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46214	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46214	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
46214	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
46214	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	% ACC MANHRS	%
46260	1	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46260	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46260	3	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.
46260	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
46260	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.
46260	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
4F320	1	AFT	229.	7.68	7.68	15791.	8.42	8.42	114.	49.78	3862.	24.46
4F320	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4F320	3	AFT	2751.	92.32	92.32	171672.	91.58	91.58	732.	26.61	37991.	22.13
4F320	1	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4F320	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4F320	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AFSC	REC ID	SRD	# REC	% IN	% OUT	# MHRS	% IN	% OUT	ACC REC	%	ACC MANHRS	%
4R220	1	AFT	53.	98.15	13.35	1949.	96.06	17.27	52.	98.11	1946.	99.85
4R220	2	AFT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4R220	3	AFT	1.	1.85	0.25	80.	3.94	0.71	1.	100.00	80.	100.00
4R220	1	XFH	343.	100.00	86.40	9255.	100.00	82.02	254.	74.05	8126.	87.80
4R220	2	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4R220	3	XFH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

LAST= 2 LAST2= 17

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

ILMMAP

AFSC	INDEX
------	-------

321R2	1
321S2	1
322R2	6
325R0	2
326R0	3
326R3	4
326R4	5
404R1	6
423E3	7
423R0	8
423R1	9
423R4	10
426R2	11
427R0	12
427R2	13
427R4	14
427R5	15
431E1	16
4E320	17
4R220	11

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

OFFMAP

AFSC	INDEX
321R2	1
325R0	2
328R0	3
328R3	4
328R4	5
404R1	6
423E3	7
423R0	8
423R1	9
423R4	10
426R2	11
427R0	12
427R2	13
427R4	14
427R5	15
431E1	16
4E320	17

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)

WC #	AFSC	TOTAL MAN-HOURS	MANHOURS PER SORTIE
1	321R2	9315.8	1.2116
2	325R0	3754.5	0.4883
3	328R0	4776.0	0.6211
4	328R3	1045.7	0.1360
5	328R4	2117.9	0.2754
6	404R1	931.1	0.1211
7	423E3	3434.6	0.4467
8	423R0	1746.2	0.2271
9	423R1	331.9	0.0432
10	423R4	806.7	0.1049
11	426R2	4460.0	0.5800
12	427R0	1871.0	0.2433
13	427R2	1399.4	0.1820
14	427R4	1310.2	0.1704
15	427R5	3225.5	0.4195
16	431E1	401.1	0.0522
17	4E320	3799.1	0.4941

FIGURE C-23. SAMPLE CDEP AND ANALYSIS PROGRAM RUNS (CONT'D)





APPENDIX D.

UNIT MANNING DOCUMENTS

## APPENDIX D. UNIT MANNING DOCUMENTS

### A. The Documents

Function. Used to build manpower authorization data file-  
OS29/N241D/CDEP/MEN/ Base

Input. Run at the Pentagon

Output. Computer print-out including authorizations for:  
Aircraft Generation Squadron (AGS)  
Component Repair Squadron (CRS)  
Equipment Maintenance Squadron (EMS)

Sample Listing. Figure D-1.

### B. Manpower Authorization File

Function. lists the authorizations for each AFSC

Sample Listing. Figure D-2.

There are three columns:

Column 1 gives the number corresponding to an AFSC in the  
OS29/N241D/CDEP/WCMAP/ Base File.

Column 2 gives the total number of people authorized for that AFSC.

Column 3 gives the total number of non-AGS people authorized for the AFSC.

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PAGE 1

PCN RRA-00030

FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
"COR" OR "EQM".

INQUIRY NO 10 MANPOWER INQUIRY AS OF SEP 80 PART A FILE RUN DATE 9/ 3/81

FILE	BASE	NAME	ORG	ORG	NUM	ORG	KIND	TITLE	GP	DET	LOCN	OPER	PGM	P	R	1/81	2/81	3/81	4/81
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	04016	A	LTC	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	43151	SMS	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	43171	AIC	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	07024	A	CPT	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	10090	SMS	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	70230C	AIC	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	70250C	SGT	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	70250C	SGT	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	70270C	TSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	99007	SGT	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	99007	SGT	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	AZ	2800	27128A	04016	MAJ	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	43151	SSG	3	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	43171	MSG	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	43171	TSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	43200	CMS	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	46200	CMS	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	70230B	AIC	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	70250B	SGT	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	70250B	SGT	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	70270B	TSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SA	2800	27128A	46230D	AIC	13	13	13	13	13	13
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAA	2800	27128A	46260	AIC	3	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAA	2800	27128A	46260	SGT	6	6	6	6	6	6
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAA	2800	27128A	46270	MSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAA	2800	27128A	46270	TSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAA	2800	27128A	46270	TSG	17	17	17	17	17	17
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	04024	CPT	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	04054A	CPT	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	32172Q	MSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	43131C	AIC	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	43151	SGT	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	43151	SGT	4	4	4	4	4	4
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	43171	MSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	43171	TSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	43199	SMS	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	43200	CMS	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	64570	TSG	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	70230B	AIC	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SAC	2810	27128A	70250B	SGT	1	1	1	1	1	1

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT

UNCLASSIFIED

PAGE 2

PCN RRA-00035

FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
 "COR" OR "EQM".

MANPOWER INQUIRY AS OF SEP 80 PART A FILE

INQUIRY NO 10

RUN DATE 9/ 3/81

F I L E	B A S E	N A M E	ORG	ORG	KIND	TITLE	OP	DET	ORG	OPER	LOCN	ORGST	FUNC	PGM ELEM	P R	AFSC	E	GRD	1/81	2/81	3/81	4/81
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2011	27128A	43131C	AIC	18	18	18	18	18	18	18	18	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2011	27128A	43151	SGT	22	22	22	22	22	22	22	22	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2011	27128A	43151	SGT	18	18	18	18	18	18	18	18	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2011	27128A	43171	MSG	3	3	3	3	3	3	3	3	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2011	27128A	43171	TSG	6	6	6	6	6	6	6	6	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2011	27128A	43171	TSG	67	67	67	67	67	67	67	67	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32132Q	AIC	4	4	4	4	4	4	4	4	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32152Q	SGT	3	3	3	3	3	3	3	3	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32152Q	MSG	2	2	2	2	2	2	2	2	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32172Q	MSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32172Q	TSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32530	AIC	2	2	2	2	2	2	2	2	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32531	AIC	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32550	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32550	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32551	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32551	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32571	TSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32571	TSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32830	AIC	2	2	2	2	2	2	2	2	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32831	AIC	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32834	AIC	2	2	2	2	2	2	2	2	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32850	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32850	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32851	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32854	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32870	TSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32871	MSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	32874	TSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42330	AIC	2	2	2	2	2	2	2	2	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42331	AIC	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42334	AIC	3	3	3	3	3	3	3	3	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42350	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42351	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42354	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42354	SGT	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42370	MSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42371	TSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42374	MSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42632	AIC	4	4	4	4	4	4	4	4	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42652	SGT	3	3	3	3	3	3	3	3	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42652	SGT	2	2	2	2	2	2	2	2	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42672	MSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42672	TSG	1	1	1	1	1	1	1	1	
A	SEYMOUR	JOHNSON	0004	AIRCRAFT	GENERAT	SQ	0000	0000	SACB	2012	27128A	42699	SMS	1	1	1	1	1	1	1	1	

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)





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PAGE 5

PCN RRA-00035

FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
"COR" OR "EQM".

RUN DATE 9/ 3/81

INQUIRY NO 10

MANPOWER INQUIRY AS OF SEP 80 PART A FILE

F I L B A S E N A M E N U M	ORG	ORG KIND	TITLE	OP DET	RY	GT	OPER	LOCN	ORGST	FUNC	PCN ELEM CODE	AFSC+S	R	GRD	1/81	2/81	3/81	4/81
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCA		2013	27128A	46250		SSG	10	10	10	10
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCA		2013	27128A	46270		MSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCA		2013	27128A	46270		TSG	6	6	6	6
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCA							44	44	44	44
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCB		2013	27128A	46230D		AIC	3	3	3	3
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCB		2013	27128A	46250		SSG	3	3	3	3
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCB		2013	27128A	46250		SSG	3	3	3	3
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCB		2013	27128A	46270		TSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SADCB							10	10	10	10
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	04024		CPT	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	04054A		CPT	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	32854		MSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	42371		AIC	2	2	2	2
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	43131C		SGT	2	2	2	2
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	43151		SSG	2	2	2	2
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	43171		MSG	4	4	4	4
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	43171		TSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	43199		SMS	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	46200		CMS	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	64570		TSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	70230B		AIC	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE		2010	27128A	70250B		SGT	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAE							19	19	19	19
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEA		2011	27128A	43131C		AIC	22	22	22	22
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEA		2011	27128A	43151		SGT	18	18	18	18
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEA		2011	27128A	43151		SSG	18	18	18	18
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEA		2011	27128A	43171		MSG	3	3	3	3
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEA		2011	27128A	43171		TSG	6	6	6	6
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEA							67	67	67	67
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32132Q		AIC	4	4	4	4
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32152Q		SGT	3	3	3	3
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32152Q		SSG	2	2	2	2
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32172Q		MSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32172Q		TSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32199		SMS	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32530		AIC	2	2	2	2
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32531		AIC	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32550		SGT	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32551		SGT	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32551		SSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32570		MSG	1	1	1	1
A SEYMOUR JOHNSON	0004	AIRCRAFT GENERAT		SQ	0000	0000	0000	SAEB		2012	27128A	32830		AIC	2	2	2	2

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)







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PCN RRA-00035

 FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
 "COR" OR "EQM".

INQUIRY NO 10		MANPOWER INQUIRY AS OF SEP 80 PART A										FILE		RUN DATE															
F	I	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG													
L	B	A	S	E	N	A	M	E	N	U	M	OT	RY	ORG	OPER	LOCN	ORGST	FUNC	PGM	ELEM	CODE	AFSC+S	E	ORD	1/81	2/81	3/81	4/81	
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAA	2R11	27128A	32851	SGT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAA	2R11	27128A	32851	SSG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAA	2R11	27128A	32870	MSG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAA	2R11	27128A	32871	TSG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAA	2R11	27128A	32871		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32530	A1C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32531	A1C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32550	SGT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32550	SSG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32551	SGT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32551	SSG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32570	MSG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32571	MSG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAB	2R12	27128A	32571		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAC	2R18	27128A	32132Q	A1C	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAC	2R18	27128A	32152Q	SGT	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAC	2R16	27128A	32152Q	SSG	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAC	2R18	27128A	32172Q	MSG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAC	2R18	27128A	32172Q	TSG	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAC	2R18	27128A	32172Q		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAD	2R13	27128A	32834	A1C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAD	2R13	27128A	32854	SGT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAD	2R13	27128A	32854	SSG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAD	2R13	27128A	32874	MSG	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R14	27128A	40431	A1C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R14	27128A	40451	SGT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R14	27128A	40451	SSG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R14	27128A	40471	MSG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R15	27128A	32232B	A1C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R15	27128A	32252B	SGT	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R15	27128A	32252B	SSG	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R15	27128A	32272B	MSG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R15	27128A	32272B	TSG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAE	2R15	27128A	32272B		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAF	2R16	27128A	42330	A1C	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAF	2R16	27128A	42350	SGT	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAF	2R16	27128A	42350	SSG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAF	2R16	27128A	42370	MSG	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAF	2R16	27128A	42370		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR	SQ	0000	0000	SCAG	2R19	27128A	32630C	A1C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)



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PAGE 10

PCN RRA-00035

FILE "A" AND MNT1 "X" AND BASE "VKAG" AND ORGKND "AIG" OR  
"COR" OR "EQM".

INQUIRY NO 10 MANPOWER INQUIRY AS OF SEP 80 PART A FILE RUN DATE 9/ 3/81

F I L E	B A S E	N A M E	NUM	ORG	ORG	KIND	TITLE	GP	DET	RY	OPR	LOCN	CRGST	FUNC	PGM ELEM	P R	AFSC+S	E	GRD	1/81	2/81	3/81	4/81
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBE	2R35	27128A	42354				SGT	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBE	2R35	27128A	42354				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBE	2R35	27128A	42374				MSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBE				6				6	6	6	6
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBF	2R36	27128A	42331				AIC	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBF	2R36	27128A	42351				SGT	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBF	2R36	27128A	42351				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBF	2R36	27128A	42371				TSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBF	2R36	27128A	42371					4	4	4	4
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	11113A	42732				AIC	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	11113A	42752				SGT	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	11113A	42752				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	11113A	42772				TSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	27128A	42732				AIC	3	3	3	3
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	27128A	42752				SGT	2	2	2	2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	27128A	42752				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	27128A	42772				CIV	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	27128A	42772				MSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCBG	2R37	27128A	42772					12	12	12	12
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCC	2R90	27128H	34134				AIC	2	2	2	2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCC								2	2	2	2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34136				AIC	2	2	2	2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34154				SGT	2	2	2	2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34154				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34156				SGT	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34156				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34174				MSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34174				TSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34176				MSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF	2R90	27128H	34176				TSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDF				11				11	11	11	11
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27128H	34154				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27128H	34156				SSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27128H	34174				TSG	1	1	1	1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG				3				3	3	3	3
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27133H	34134				AIC				2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27133H	34136				AIC				2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27133H	34154				SGT				2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27133H	34154				SSG				1
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27133H	34156				SGT				2
A	SEYMOUR	JOHNSON	0004	0004	COMPONENT	REPAIR	REPAIR	SQ	0000	0000	0000	SCCDG	2R90	27133H	34156				SSG				1

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)

FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
"COR" OR "EQM".

RIJN DATE 9/ 3/81

MANPOWER INQUIRY AS OF SEP 80 PART A FILE

INQUIRY NO 10

F I L	B A S E	N A M E	O R G N U M	O R G	K I N D	T I T L E	O T		O P D E T	O P E R L O C N	O R G S T	F U N C	P G M E L E M C O D E	A F S C + S	P R E	O R D	1 / 0 1	2 / 8 1	3 / 8 1	4 / 8 1
							R Y	Q R												
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCCGG	2R90	27133H	34174	MSG					2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCCGG	2R90	27133H	34174	TSG					1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCCGG	2R90	27133H	34176	TSG					1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCCGG	2R90	27133H	64550	SGT					1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCCGG	2R90	27133H	70250B	SGT					1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCCGG									16
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCD	2R20	27128A	04024	CPT		1	1		1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCD	2R20	27128A	39230	SSG		1	1		1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCD	2R20	27128A	43200	CMS		1	1		1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCD	2R20	27128A	70250B	SGT		1	1		1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCD						4	4		4
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCDA	2R21	27128A	42632	A1C		19	19		19
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCDA	2R21	27128A	42652	SGT		16	16		16
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCDA	2R21	27128A	42652	SSG		16	16		16
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCDA	2R21	27128A	42672	MSG		3	3		3
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCDA	2R21	27128A	42672	TSG		4	4		4
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCDA	2R21	27128A	42699	SMS		1	1		1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCDA						59	59		59
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCE	2R50	27598B	32430	A1C		5	5		5
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCE	2R50	27598B	32450	SGT		4	4		4
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCE	2R50	27598B	32460	SSG		4	4		4
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCE	2R50	27598B	32470	MSG		1	1		1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCE	2R50	27598B	32470	TSG		2	2		2
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCE	2R50	27598B	39230	SGT		1	1		1
A	SEYMOUR	JOHNSON	0004	COMPONENT	REPAIR		SQ	0000	0000	0000	SCE	2R50	27598B	39270	TSG		1	1		1

**LEVEL 3 TOTAL**

OFF  
ENL  
MIL  
USDH  
CIV  
MIL/CV

[illegible]

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)







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PCN RRA-00035

FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR "COR" OR "EQM".

MANPOWER INQUIRY AS OF SEP 80 PART A FILE

INQUIRY NO 10

MANPOWER INQUIRY AS OF SEP 80 PART A FILE

INQUIRY NO 10

FILE	BASE	NAME	ORG	ORG	KIND	TITLE	GP	DET	OPER	LOCN	ORGST	FUNC	PGM	ELEM	R	GRD	1/81	2/81	3/81	4/81	RUN DATE
FILE	BASE	NAME	ORG	ORG	KIND	TITLE	GP	DET	OPER	LOCN	ORGST	FUNC	PGM	ELEM	R	GRD	1/81	2/81	3/81	4/81	RUN DATE
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBC		2E32	27128A	46230D	AIC	4	4	4	4	9/ 3/81
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCA		2E32	27128A	46230D	AIC	16	16	16	16	16
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCA		2E32	27128A	46250	SSG	12	12	12	12	12
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCA		2E32	27128A	46250	SSG	9	9	9	9	9
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCA		2E32	27128A	46270	MSG	4	4	4	4	4
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCA		2E32	27128A	46270	TSG	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCA		2E32	27128A	46270	TSG	44	44	44	44	44
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	04054B	CPT	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	46430	AIC	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	46450	SGT	4	4	4	4	4
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	46450	SSG	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	46470	MSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	46470	TSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	46490	SMS	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCD		2E38	27128A	46490	SMS	14	14	14	14	14
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCF		2E3C	11113A	06424	CPT	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCF		2E3C	27128A	46190	SMS	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCF		2E3C	27128A	70230B	AIC	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCF		2E31	27128A	31051L	SGT	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E31	27128A	46130	AIC	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E31	27128A	46150	SGT	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E31	27128A	46150	SSG	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E31	27128A	46170	MSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E31	27128A	46170	TSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	11113A	64550A	SGT	2	2	2	2	2
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	11113A	64550A	SSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	11113A	64570A	TSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	27128A	64550A	SGT	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	27128A	64550A	SSG	3	3	3	3	3
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	27128A	64570A	TSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	27128A	64592	SMS	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFA		2E37	27128A	64592	SMS	20	20	20	20	20
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFB		2E3C	27128A	46170	MSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFB		2E3C	27128A	46170	MSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFBA		2E36	27128A	46130	AIC	10	10	10	10	10
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFBA		2E36	27128A	46150	SGT	7	7	7	7	7
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFBA		2E36	27128A	46150	SSG	6	6	6	6	6
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFBA		2E36	27128A	46170	MSG	1	1	1	1	1
A	SEYMOUR	JOHNSON	0004	EQUIPMENT	MAINT		SQ	0000	0000	0000	SBCFBA		2E36	27128A	46170	TSG	1	1	1	1	1

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)



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PCN RRA-00035  
 FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
 "COR" OR "EQM"

MANPOWER INQUIRY AS OF SEP 80 PART A FILE

INQUIRY NO 10

RUN DATE 9/ 3/81

F I L E	ORG	NAME	ORG	KIND	TITLE	OP	DET	LOCN	ORGR	FUNC	FGM ELEM	P R	1/81	2/81	3/81	4/81
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBA				25	25	25	25
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBB	2E39	27128A 46130	AIC	2	2	2	2
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBB	2E39	27128A 46150	SGT	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBB	2E39	27128A 46150	SSG	2	2	2	2
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBB	2E39	27128A 46170	TSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBB				6	6	6	6
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBC	2E3A	27128A 46130	AIC	3	3	3	3
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBC	2E3A	27128A 46150	SGT	2	2	2	2
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBC	2E3A	27128A 46150	SSG	2	2	2	2
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBC	2E3A	27128A 46170	TSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFBC				8	8	8	8
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFC	2E3C	27128A 46170	MSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFC				1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCA	2E3B	27128A 46130	AIC	19	19	19	19
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCA	2E3B	27128A 46150	SGT	13	13	13	13
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCA	2E3B	27128A 46150	SSG	8	8	8	8
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCA	2E3B	27128A 46170	MSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCA	2E3R	27128A 46170	TSG	3	3	3	3
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCA				44	44	44	44
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCB	2E33	27128A 46130	AIC	7	7	7	7
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCB	2E33	27128A 46150	SGT	6	6	6	6
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCB	2E33	27128A 46150	SSG	4	4	4	4
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCB	2E33	27128A 46170	MSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCB	2E33	27128A 46170	TSG	2	2	2	2
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCFCB				19	19	19	19
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 31031L	AIC	5	4	3	3
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 31051L	SGT	2	2	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 31051L	SSG	3	2	2	2
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 31671L	MSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 31671L	TSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 46130	AIC	1	2	3	3
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 46150	SGT	2	2	3	3
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 46150	SSG	1	2	2	2
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD	2E35	27128A 46170	TSG	1	1	1	1
A SEYMOUR JOHNSON	0004		0004	EQUIPMENT	MAINT	SQ	0000	0000	SBCCFD				17	17	17	17

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FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)

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FILE = "A" AND MNT1 = "X" AND BASE = "VKAG" AND ORGKND = "AIG" OR  
"CON" OR "EQM"

PCN RRA-00030

INQUIRY NO 10

MANPOWER INQUIRY AS OF SEP 80 PART A FILE  
ORG NAME NUM ORG KIND TITLE GP DET LOCN ORGST FUNC CODE AFSC+SE GRD 1/81 2/81 3/81 4/81

LEVEL 3 TOTAL

OFF  
ENL  
MIL  
MIL/CV

7 7 7  
432 432 432  
439 439 439  
439 439 439

BASNAM TOTAL

OFF  
ENL  
MIL  
USDH  
CIV  
MIL/CV

22 22 22  
1447 1447 1447  
1469 1469 1471  
1 1 1  
1470 1470 1472  
1468 1468 1468

FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)

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PAGE 17

PCN RRA-00035

FILE = "A" AND MNT1 = "X" AND BASE = "VKA3" AND ORGKND = "AIG" OR  
"COR" OR "EOM".

INQUIRY NO 10

FILE	BASE	NAME	ORG	KIND	TITLE	GP	DET	OPER	LOCN	ORGST	FUNC	CODE	AFSC	S	E	GRD	1/81	2/81	3/81	4/81	RUN DATE	9/ 3/81

FILE TOTAL

OFF  
ENL  
MIL  
USDH  
CIV  
MIL/CV

22	22	22	22
1447	1447	1449	1449
1469	1469	1471	1465
1	1	1	1487
1	1	1	1
1470	1470	1472	1488

FIGURE D-1. SEYMOUR JOHNSON UNIT MANNING DOCUMENT (CONT'D)

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1	70	37
2	32	8
3	77	77
4	36	9
5	17	5
6	24	24
7	29	29
8	21	21
9	23	5
10	13	4
11	24	6
12	30	0
13	8	8
14	26	5
15	27	27
16	201	0
17	30	30

FIGURE D-2. MANPOWER AUTHORIZATIONS FILE-OS29/N241D/CDEP/MEN/SJ80

APPENDIX E.

"SMALLJCL"

## APPENDIX E. SMALLJCL

### A. OS29/N241D/CDEP/SMALLJCL

Function. Provides data on weighted break rates, number of crews, and weighted service rates for a particular aircraft type at each base.

Input. CO. Base tape, output from JG05A/CDEP/JCL/DB.CRE  
OS29/N241D/CDEP/PROGRAMS/ERR.CHEK (Figure I-1)  
OS29/N241D/CDEP/PROGRAMS/REDTAB (Figure I-2)  
OS29/N241D/CDEP/MEN/ Base  
OS29/N241D/CDEP/WCMAP/ Base

Output. OS29/N241D/CDEP/SGMINPT2/ Base (Figure E-1)  
- input to Sortie-Generation Model  
- contains break rate, number of crews, and service rate  
Computer print-out of break rate, number of crews, and service rate.

JCL. Figure E-2.

Program Submission. Figure E-3.

#### Key

1. CO. Base reel name
2. User identification
3. Reel number of CO. Base tape
4. Number of sorties, note space

Sample Run. Figure E-4.

0.2878	27.77	0.1417
0.1515	15.06	0.1384
0.1062	31.07	0.1273
0.2010	18.36	0.1769
0.1506	9.57	0.2507
0.0225	12.00	0.1510
0.1699	9.95	0.0682
0.0608	8.31	0.1043
0.1188	12.28	0.1327
0.0793	6.57	0.1571
0.0836	11.91	0.1365
0.0508	10.81	0.1585
0.0779	4.56	0.3955
0.1433	14.89	0.2584
0.0335	10.73	0.0857
0.0527	131.49	0.5356
0.1641	7.27	0.5434

FIGURE E-1. MANPOWER INPUT TO THE SORTIE-GENERATION MODEL -  
OS29/N241D/CDEP/SGMINPT2/SJ80

```

100##N,R(XL)
110$:NOTE:** &FIRSTNAME. ** OS29/N241D/CDEP/SMALLJCL      BASE=&BASE.
120$      IDENT      &IDENT.      USERQO
130$:NOTE:*** RUN EDIT & ERROR CHECK PROGRAM ***
140$:NOTE:*** SOURCE = OS29/N241D/CDEP/PROGRAMS/ERR.CHEK
150$:MSG2#1,INPUT REEL=&IN-REEL.
160$:OPTION:FORTRAN,NOMAP
170$:FORTRAN:NFORM,NLNO,XREF
180$:SELECTA:OS29/N241D/CDEP/PROGRAMS/ERR.CHEK
190$:EXECUTE
200$:LIMITS:15,9K,,5K
210$:TAPE9:01,A1D,,&IN-REEL.,,CO.&BASE.###
220$:FILE:07,A2S,99L
230$:NOTE:*** END OF EDIT PROGRAM ***
240$:NOTE:** SORT ON WC,JCN,START-TIME **
250$:GMAP:NDECK
260$:LIMITS:01,21K,,1K
270:600SM
280:SORT:FCB,,8
290:FIELD:(C1,C7,C8,C3,C3,C6,C10,C2)
300:SEQ:(A8,A2,A6)
310:FILCB:FCB,**,2
320:END
330$:EXECUTE
340$:LIMITS:09,19K,,1K
350$:FILE:SA,A2R.
360$:FILE:SZ,B1S,99L
370$:FILE:S1,B2R,70R
380$:FILE:S2,B3R,70R
390$:FILE:S3,B4R,70R
400$:NOTE:**** END OF SORT ACTIVITY ****
410$:NOTE:**** COMPILE & RUN REDTAB PROGRAM ****
420$:NOTE:*** SOURCE = OS29/N241D/CDEP/PROGRAMS/REDTAB
430$:OPTION:FORTRAN,NOMAP
440$:FORTRAN:NFORM,NLNO,XREF
450$:SELECTA:OS29/N241D/CDEP/PROGRAMS/REDTAB
460$:EXECUTE
470$:LIMITS:10,13K,,1K
480$:FILE:01,B1R
490$:PRMFL:02,R,S,OS29/N241D/CDEP/WCMAP/&BASE.
500$:DATA:03
510$:SELECTA:OS29/N241D/CDEP/MEN/&BASE.
520$:DATA:05
530  &NUM-SORTIES.
540  F
550$:SYSOUT:06,XL
560$:PRMFL:09,W,S,OS29/N241D/CDEP/SGMINPT2/&BASE.
570$:NOTE:**** END OF TABULATION ****
580$:ENDJOB

```

\*

FIGURE E-2. OS29/N241D/CDEP/SMALLJCL



=RUN OS29/N241D/CDEP/SMALLJCL  
ENTER FIRSTNAME ?  
=NANCY B  
ENTER BASE ?  
1. =SJ80  
ENTER IDENT ?  
2. =OS2011N241D ,OS29UGOODWIN  
ENTER IN-REEL ?  
3. =20566  
ENTER NUM-SORTIES?  
4. = 7689

JOB SUBMITTED  
SNUMB # 1790U

FIGURE E-3. SAMPLE "SMALLJCL" SUBMISSION

SS 1790U ENTERED C AT 08.954 FROM TSS/S 0-08-08

0001	S	SNJMB	1790U						
0002	S	COMMENT	0529BRIGGS	TSS	CARDIN				
0003	SS	USERID	0529BRIGGS	*****					
0004	S	NOTE	** NANCY B **	0529/N2410/CDEP/SM4LLJCL	BASE=	SJ80			110
0005	S	IDENT	052011N2410	,0529UGOODWIN	USERQ0				00000120
0006	S	NOTE	*** RUN EDIT & ERROR CHECK PROGRAM ***						130
0007	S	NOTE	*** SOURCE =	0529/N2410/CDEP/PROGRAMS/ERR.CHEK					140
0008	S	MSG2	1,INPUT REEL=20566						150
0009	S	OPTION	FORTRAN,NOMAP						00160
0010	AS	FORTRAN	IFORM,NLNO,XREF						000170
0011	AS	EXECUTE							000190
0012	S	LIMITS	15,9K,,5K						00200
0013	S	TAPE9	01,110,,20566,,CO.SJ80###						0210
0014	S	FILE	07,125,99L						220
0015	S	NOTE	*** END OF EDIT PROGRAM ***						230
0016	S	NOTE	** SORT ON WC,JCN,START-TIME **						240
0017	AS	GMAP	NDECK						250
0018	S	LIMITS	01,21K,,1K						00260
0019	AS	EXECUTE							000330
0020	S	LIMITS	09,19K,,1K						00340
0021	S	FILE	04,12R						350
0022	S	FILE	02,115,99L						360
0023	S	FILE	01,12R,70R						370
0024	S	FILE	02,13R,70R						380
0025	S	FILE	03,14R,70R						390
0026	S	NOTE	**** END OF SORT ACTIVITY ****						400
0027	S	NOTE	**** COMPILE & RUN REDTAB PROGRAM ****						410
0028	S	NOTE	*** SOURCE =	0529/N2410/CDEP/PROGRAMS/REDTAB					420
0029	S	OPTION	FORTRAN,NOMAP						00430
0030	AS	FORTRAN	IFORM,NLNO,XREF						000440
0031	AS	EXECUTE							000460
0032	S	LIMITS	10,13K,,1K						00470
0033	S	FILE	01,11R						480
0034	SS	PRMFL	02,R,S,0529/N2410/CDEP/*CMAP/SJ80						0490
0035	S	DATA	03						500
0036	S	DATA	05						520
0037	S	SYSQUT	08,XL						00550
0038	SS	PRMFL	09,N,S,0529/N2410/CDEP/SGMINPT2/SJ80						0560
0039	S	NOTE	**** END OF TABULATION ****						570
0040	S	ENDJOB							000580

E-5

TOTAL CARD COUNT THIS JOB = 000308

\* BEGIN ACTIVITY -01- FORTY 09/10/81 SW=310202000000  
 \* NORMAL TERMINATION AT 005144 I=4060 SW=310202000000

START	9.820	LINES	132	PROC	0.0002	I/O	0.000	IU	5	MEMORY	26K
STOP	9.421	LIMIT	12000	LIMIT	0.0500	LIMIT		CU	5	M*T	197
SWAP	0.000										
LAPSE	0.002	FC D TYPE	BUSY	IP/AT	FP/RT	IS/#C	MS/#E	ADDRESS	T#		
		S* R 0191 *	64	0	0	3	3	0-08-08			
		P* SYOUT									
		*1 R 0191 *	0	0	0	48	48	0-08-14			
		* S 0191 *	54	0	2	36	36	0-08-14			
		K* SYOUT									
		C* SYOUT									

LIST 132 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
\$ .01	\$ .92	\$ .03	\$ .06

\* BEGIN ACTIVITY -02- GELCAD 09/10/81 SW=010000000000  
 INPUT STARTED WITH #20566 FOR FILE CODE 01 GE 600 BTL AFDSC 20566 20566 0001 81252 000  
 \* NORMAL TERMINATION AT 013723 I=5020 SW=010000000000

START	9.903	LINES	30	PROC	0.1029	I/O	0.017	IU	5	MEMORY	9K
STOP	10.180	LIMIT	5120	LIMIT	0.1500	LIMIT		CU	5	M*T	8712
SWAP	0.059										
LAPSE	0.277	FC D TYPE	BUSY	IP/AT	FP/RT	IS/#C	MS/#E	ADDRESS	T#		
		R* R 0191 *	57	2	2	36	36	0-08-14			
		R* R 0191 *	10	0	0	1	1	0-08-08			
		01 0 TAP9	15953		0/03	1130	0	0-16-07	#20566		
		07 S 0191 *	42591	0	959	1188	1188	0-08-14			
		P* SYOUT									
		L* R 0191 *	947	0	0	624	624R	0-08-02			

LIST 21 LINES AT STA. XL  
 FC-04 9 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
\$ 3.29	\$ 1.02	\$ .95	\$ 5.26

\* BEGIN ACTIVITY -03- GMAP 09/10/81 SW=211000000000  
 \* NORMAL TERMINATION AT 002456 I=5020 SW=211000000000

START	10.222	LINES	70	PROC	0.0004	I/O	0.000	IU	5	MEMORY	21K
STOP	10.223	LIMIT	1024	LIMIT	0.0100	LIMIT		CU	5	M*T	81
SWAP	0.000										
LAPSE	0.001	FC D TYPE	BUSY	IP/AT	FP/RT	IS/#C	MS/#E	ADDRESS	T#		
		00 S 0191 *	0	959	959	1188	1188	0-08-14			
		G* R 0191 *	45	0	1	1	1	0-08-08			
		P* SYOUT									
		K* SYOUT									
		C* SYOUT									
		*1 R 0191 *	242	0	0	48	48	0-08-15			
		* S 0191 *	48	0	1	24	24	0-08-16			

IST 70 LINES AT STA. XL

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

PROCESSOR \$ .01 I/O \$ .02 CORE \$ .02 TOTAL \$ .05

\* BEGIN ACTIVITY -00- RELOAD 09/10/81 SW=010000000000  
 SORT ENCASED - VERSION: 4/0008  
 FILE S7 UNSUITABLE FOR COLLATION.  
 MEMORY: 037474 LINKS: 00210 INPUT: 0320/DOUBLE OUTPUT: 0320/DOUBLE COLLATION: 1037/DOUBLE TOURNAMENT: 000695 ENTRIES  
 END OF FILE ON SA. RECORDS READ = 00029713. RECORDS ACCEPTED = 00029713. RECORDS DELETED = 00000000.  
 MERGING 000001 STRIPES 03 WAYS.  
 LINK UTILIZATION. ALLOCATED 00210 BORROWED 00000 USED 00156  
 RECORDS INPUT = 00029713. RECORDS OUTPUT = 00029713.  
 SORT TERMINATES.

\* NORMAL TERMINATION AT 004240 I=0020 SW=010000000000

START	STOP	SWAP	LAPSE	FC	D	TYPE	RUSY	IP/AT	FP/RT	IS/RC	MS/NE	I/O	0.048	10	5	MEMORY	19K	
10-248	10-357	0-006	0-109	46	1024													
SA R D191 * 22601 HA R D191 * 67 RA R D191 * 53 SZ S D191 * 20696 SI R D191 * 45393 SP R D191 * 41206 ST R D191 * 37408 PA SYOUT LA R D191 * 693																		
959 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
1188 24 1 1188 840 840 840 840 624 624 624 624 624 624 624 624 624 624																		
0-0A-14 0-08-16 0-08-08 0-08-14 0-0A-15 0-08-16 0-08-04 0-0A-02																		

LIST 46 LINES AT STA. XL

PROCESSOR \$ 1.30 I/O \$ 2.79 CORE \$ 2.30 TOTAL \$ 6.39

\* BEGIN ACTIVITY -05- FORTY 09/10/81 SW=310202000000  
 \* NORMAL TERMINATION AT 005104 I=0060 SW=310202000000

START	STOP	SWAP	LAPSE	FC	D	TYPE	RUSY	IP/AT	FP/RT	IS/RC	MS/NE	I/O	0.000	10	5	MEMORY	26K	
10-091	10-403	0-000	0-001	352	12000													
00 S D191 * SA R D191 * 263 PA SYOUT HA R D191 * KA SYOUT CA SYOUT																		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
1188 10 10 96 72 72 72 72 624 624 624 624 624 624 624 624 624																		
0-0A-14 0-08-08 0-0A-14 0-0A-14																		

LIST 352 LINES AT STA. XL

PROCESSOR \$ .02 I/O \$ .02 CORE \$ .05 TOTAL \$ .09

\* BEGIN ACTIVITY -06- RELOAD 09/10/81 SW=000000000000  
 \* NORMAL TERMINATION AT 021223 I=5000 SW=000000000000

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

STOP 10.604      LIMIT 1024      LIMIT 0.1000      LIMIT      CU 5    M\*T      5233  
 SNAP 0.001  
 LAPSE 0.104    FC B TYPE      BUSY      IP/AT      FM/RT      IS/#C MS/#E      ADDRESS T=

01 R 0191 *	32626	0	959	1188	1188	0-08-14
4* R 0191 *	115	5	5	72	72	0-08-14
03 R 0191 *	8	0	1	1	1	0-08-08
05 R 0191 *	58	0	1	1	1	0-08-08
2* R 0191 *	52	0	0	1	1	0-08-08
02 R 0191 P	60	0	1	1	1	0-08-16
08 SYOUT						
09 R 0191 P	27	0	1	1	1	0-08-16
P* SYOUT						
L* R 0191 *	1125	0	0	524	624R	0-08-02

LIST      25 LINES AT STA. XL  
 RC-06    54 LINES AT STA. XL  
 RC-52    36 LINES AT STA. XL  
 RC-10    22 LINES AT STA. XL

PROCESSOR      I/O      CORE      TOTAL  
 \$ 1.65      \$ .59      \$ .75      \$ 2.99

\$HUMB = 17900, ACTIVITY = 01, REPORT CODE = 74, RECORD COUNT = 000132

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

```

17400 01 09-10-01 09.020 0529/N2410/CDEP/PROGRAMS/ERR.CHEK          LABEL *****
1 ***** 0529/N2410/CDEP/PROGRAMS/ERR.CHEK
2 *
3 * PROGRAM READS THE COMBINATION FILE OUTPUT FROM CDEP AND DOES
4 * THE FOLLOWING
5 * 1. CHECKS TO SEE THAT THE START TIME INDICATED BY
6 * THE JCN AND START TIME OF THE 349 FORM ARE WITHIN
7 * 5 DAYS OF ONE ANOTHER.
8 *
9 CHARACTER X1*12,WUC*3,COMPOS*3,X2*21
10 INTEGER JCN1,START1,DIF,RADDIF,BADWUC
11
12 ICOND=0
13 RADDIF=0
14 BADWUC=0
15 ITOTAL=0
16
17 * READ A RECORD
18 *
19 5 READ (01,10,END=70) JCN1,X1,WUC,COMPOS,START1,X2
20 10 FORMAT (13,A12,2A3,13,A21)
21 ITOTAL=ITOTAL+1
22
23 * CHECK TO SEE IF A GOOD RECORD.
24 *
25 DIF=ABS(JCN1-START1)
26 IF (DIF .LE. 5) GO TO 30
27 RADDIF = RADDIF + 1
28 GO TO 5
29
30 DECODE (WUC,35) IND
31 35 FORMAT (12,1X)
32 IF (IND .GE. 11) GO TO 40
33 BADWUC = BADWUC + 1
34 GO TO 5
35 CONTINUE
36
37 * THIS IS A GOOD RECORD; WRITE IT TO UNIT 7.
38 *
39 ICOND=ICOND+1
40 WRITE (7,50) JCN1,X1,WUC,COMPOS,START1,X2
41 50 FORMAT (1X,13,A12,2A3,13,A21)
42 GO TO 5
43
44 * END-OF-FILE PROCESSING
45 *
46 70 CONTINUE
47 WRITE (6,60) ITOTAL,ICOND,BADWUC,RADDIF,BADWUC,RADDIF
48 60 FORMAT ('11///' RECORDS READ =',110/
49 * ' GOOD RECORDS =',110/
50 * ' BAD RECORDS =',110/
51 * ' BAD WUC =',130,16/
52 * ' DIF TOO HIGH =',130,16)
53 90 FORMAT (1X,'TOTAL READ =',16,' TOTAL WRITTEN =',16)
54 STOP

```

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

17900 01 09-10-01 09.020. 0829/N2410/CIEP/PROGRAMS/ERR.CHFK  
53  
LAREL \*\*\*\*\* PAGE 2  
00000610

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

17900 01 09-10-81 08.470 0529/02010/CEEP/PROGRAMS/ENR.CHEM

LABEL \*\*\*\*\* PAGE 3

TRANSFERS....

FROM LINE# TO LINE#	FROM LINE# TO LINE#	FROM LINE# TO LINE#	FROM LINE# TO LINE#
52 26	FX11 29	43 19	33 19
		19 44	
		43 19	
		31 30	
			28 19

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)



1790U 01	09-10-81	09.A20	0829/N2010/CDEP/PROGRAMS/ERR.CHFX	LABEL *****	PAGE	4
TRANSFERS.....						
10 LINE# FROM LINE#		TO LINE# FROM LINE#		TO LINE# FROM LINE#		TO LINE# FROM LINE#
04	19					
19	43					
		31	29	19	28	19
		52				33
		34				
		EXIT				

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

1790U 01 06-10-81 09.820 0529/N241D/COEP/PROGRAMS/ERR.CHEK

ORIGIN SYMBOLIC REFERENCES BY ALTER NUMBER

```

.....
2 .ASCB.
1 .DATA.
0 .E.L.. .DATA.
6 .FCNVC
7 .FCNVI
10 .FDEC.
3 .FEXIT
4 .FFIL.
12 .FRDD.
5 .FRTN.
11 .FWRO.
2 .SYMT.
3 BAODIF .DATA. 10 13 27 45
4 BAOWUC .DATA. 10 14 32 45
17 COMPOS .DATA. 9 19 39
27 DIF .DATA. 10 25 26
IARS 25
2 IGODD .DATA. 12 38 45
32 IND .DATA. 29 31
5 ITOTAL .DATA. 15 21 45
13 JCN1 .DATA. 10 19 25 39
20 START1 .DATA. 10 19 25 39
16 WUC .DATA. 9 19 29 39
14 X1 .DATA. 9 19 39
21 X2 .DATA. 9 19 39

4 .S5 19 28 33 41
7 .S10 FORMAT 19 20
53 .S30 26 29
30 .S35 FORMAT 29 30
73 .S40 31 34
34 .S50 FORMAT 39 40
123 .S70 19 44
41 .S80 FORMAT 45 46
0 .S90 FORMAT 51

```

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

1790U 01 09-10-81 09.820 0S29/N2410/COEP/PROGRAMS/ERR.CHEK

EDIT DATE 07-29-75 \*SR 8/F

	ELAPSED TIME (SEC)	LINES/ MINUTE
OVERHEAD	.19	
PHASE 1	.11	27525
PHASE 2	.00	
PHASE 4	.10	30258
PHASE 5	.29	10634
TOTAL	.71	4428

TOTAL TIME .74

THERE WERE NO DIAGNOSTICS IN ABOVE COMPILATION  
25K WORDS WERE USED FOR THIS COMPILATION

SNUMR = 1790U, ACTIVITY # = 02, REPORT CODE = 74, RECORD COUNT = 000021

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

PAGE 1

[illegible]

**SUBPROGRAMS INCLUDED IN DECK.**

00160

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

ALLOCATED CURE	RANGE	SIZE
RELICATABLE	000000 THRU 021777	022000
IAPE9	005210 THRU 021777	014564
\$	01,AID,,20566,,CO.SJ80##	
\$	FILE 07,A2S,99L	

FCB AND BUFFER SPACE	005113
AVAILABLE	000101 THRU 005213
FILE CTRL HLKS	005010 THRU 005214
MAXIMUM BUFFER SPACE REQUIRED	000205
	002404

AK, 'IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN  
001114 LOCATIONS REQUIRED FOR LOAD TABLE  
EXECUTION PROGRAM ENTERED AT 021626 THROUGH .FSETU

SUMMA = 1790U, ACTIVITY # = 02, REPORT CODE = 06, RECORD COUNT = 000009

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

RECORDS READ = 38758  
GOOD RECORDS = 29713  
BAD RECORDS = 9045  
BAD REC - 4090  
DIFF TOO HIGH - 4955

SNUMB = 17900, ACTIVITY # = 03, REPORT CODE = 74, RECORD COUNT = 000070

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

1790U 03 09-10-81 10.222

PREFACE

PROGRAM BREAK 127  
COMMON LENGTH 0  
V COUNT BITS 5

PRIMARY SYMDEF ENTRY

..... 0

SECONDARY SYMDEF ENTRY

	BLOCK	LENGTH
1	.SMA	1
2	.SMB	1
3	.SMC	1

SYNREF

4 .SRPT  
5 .GACLS  
6 .GAGET  
7 .GAQPE  
10 .GAPTS  
11 .GAPUT  
12 .GCLSE  
13 .GGTSK  
14 .GOUTL  
15 .GREAD  
16 .GWAIT  
17 .SABRT

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

```

17400 03 09-10-81 10.222
PAGE 2
000000 1 400SM 00270
000000 2 SONY 80
000074 3 FIELD (C1,C7,C8,C3,C3,C6,C10,C2) 290
000109 4 SEQ (A8,A2,A6) 0
000107 5 FILCR FCB,*,2 310

ERRR LINKAGE
000124 000000000000 000
000125 3333333333 000
6
127 IS THE NEXT AVAILABLE LOCATION.
GNAP VERSION/ASSEMBLY DATES JMPA 730601/052373
THERE WERE NO WARNING FLAGS IN THE ABOVE ASSEMBLY JMPB 730601/052373
J MPC 730601/052373
00320

```

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

1790U 03 09-10-61 10.223

OCTAL SYMBOL REFERENCES BY ALTER NO.

117	FCB	5	2	5	
22	GECALL		2		
5	.GACLS		2		
6	.GAGET		2		
7	.GAGPE		2		
10	.GAPTS		2		
11	.GAPUT		2		
12	.GCLSE		2		
13	.GGTCK		2		
14	.GOUTL		2		
15	.GREAD		2		
16	.GWAIT		2		
17	.SABRT		2		
105	.SM1	4	2	3	4
3	.SM2	4	2	3	4
0	.SMAX	1	1	2	
0	.SMCX	1	1	2	
0	.SMOX	1	1	2	
0	.SMERR	4	3	4	
1	.SMFLD	3	2	3	
1	.SMSED	4	2	4	
4	.SRPT		2		

\*\* 21K LIMITS NEEDED FOR THIS ASSEMBLY.

SNUM3 = 1790U, ACTIVITY = 04, REPORT CODE = 74, RECORD COUNT = 000046

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)



[illegible]

SSN# = 17900, ACTIVITY # = 05, REPORT CODE = 70, RECORD COUNT = 000352

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

```

17900 05 04-10-81 10.041 USP9/N241D/CDEP/PROGRAMS/RENTAH
***** USP9/N241D/CDEP/PROGRAMS/RENTAH
1  ** THE PRIMARY INPUT FILE FOR THIS PROGRAM IS IN UNIT 01.
2  ** THIS IS THE "CD" FILE FROM CDEP, SORTED WORKCENTER BY JCN
3  ** BY START-TIME. STATISTICS ARE ACCUMULATED BY W/C, AND, TO
4  ** SOME EXTENT, FOR EACH JCN WITHIN A W/C. W/C STATISTICS ARE
5  ** WRITTEN OUT IN UNITS 8 AND 9 (OPTIONAL) JCN STATISTICS FOR
6  ** CONSTRUCTING HISTOGRAMS CAN BE WRITTEN TO UNIT 7. THE DATA IN
7  ** UNIT 9 (BREAK RATES, CREWS, SERVICE RATES, FOR EACH W/C) IS
8  ** SUBSEQUENTLY USED AS AN INPUT TO THE SORTIE GENERATION MODEL (SGM).
9  ** FOLLOWING ARE DESCRIPTIONS OF SOME OF THE VARIABLES.
10 ** KOUNTHT - NO. OF TASKS FOR THIS JCN
11 ** STARTUNE - EARLIEST START TIME FOR THIS JCN
12 ** IDLE - IDLE TIME FOR THIS JCN
13 ** STOPLAST - LAST STOP TIME FOR THIS JCN
14 ** HUAJEN - NO. OF JCN'S IN THIS W/C
15 ** KTOHT - NO. OF TASKS FOR THIS W/C
16 ** TOTIDLE - IDLE TIME FOR THIS W/C
17 ** TOTCLOCK - CUM. CLOCK TIME FOR ALL JCN'S IN THIS W/C
18 **
19 ** DIMENSION MEN(25),CREWS(25),PBREAK(25),SRATE(25),CLOCK(25),
20 ** ASIVE(25)
21 ** REAL MEANRRK
22 ** CHARACTER AFSC*5(30)
23 ** CHARACTER JCN*7,OLDJCN*7,MUC*3
24 ** REAL IDLE
25 ** DATA KOUNTHT(0),IN(0),IDLE(0.0),STOPLAST(0.0)/
26 ** LOGICAL NMORE/.F./,NISTN/.F./
27 **
28 ** *READ AND STORE FILES OF AFSC'S AND MEN PER AFSC
29 **
30 **
31 **
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34 **
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FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)



17000 04 09-10-81 10.491 0329/N2010/COEP/PROGRAMS/REDIAD

```

105 70 CONTINUE
106  TOTAL = 0.0
107  TIME SUM = 0.0
108  CREWSUM = 0.0
109  TOTCLCK = 0.0
110  CLCKSQ = 0.0
111  KIDUNIT = 0
112  NUPJCN = 0
113  KIDONE = KWC
114  GO TO 40
115
116 75  NUMBER = .1.
117  KWC = 999
118  GO TO 50
119 80  PRINT 'RECORDS INPUT =',IN
120
121  WRITE (6,95)
122 95  FORMAT ('1',//, 'W/C AFSC PR IRREAK CLCK',6X,
123  & 'S,RATE',4X,'MEN',4X,'CREWS',4X,'ST. DEV',//)
124  IRREAK = 1.0
125  DO 90 J=1,MAXAFSC
126  IRREAK = NREAK * (1.-PBREAK(J))
127  RATE(J) = 0.0
128  IF (CLCK(J) .GT. 0.) RATE(J) = 1./CLCK(J)
129  WRITE (6,97) J,AFSC(J),PBREAK(J),CLCK(J),RATE(J),
130  & 'MEN(J),CREWS(J),STDEV(J)
131 97  FORMAT (15,4X,45,3F11.3,16,F10.2,F10.4)
132 98  FORMAT (F10.4,F10.2,F10.4)
133  CONTINUE
134  WRITE (6,98) 1.-NREAK
135 98  FORMAT (//, 'THE OVERALL BREAK RATE IS',F7.4,/'1')
136
137 99  COMPUTE EXPECTED NUMBER OF JOBS PER SORTIE AND THE PROBABILITY
138  && OF ONE, TWO, AND GREATER THAN TWO JOBS ON AN A/C FOLLOWING A
139  && SORTIE.
140
141  WRITE (6,130)
142 130  FORMAT ('1',//, 'AFSC PR IRREAK
143  & 'NREAK CREWS SVC. RATE')
144  DO 200 J=1,MAXAFSC
145  IF (PBREAK(J).LT.0.0001) GO TO 195
146  PNBREAK=1.-PBREAK(J)
147  MEANRKE=-ALN(PNBREAK)
148  IRKONE=MEANRKE*PNBREAK
149  IRKTWO=(MEANRKE**2)*PNBREAK/2.
150  IRKGTR=PBREAK*(1.-IRKONE-IRKTWO)
151
152 99  COMPUTE THE CONDITIONAL PROBABILITY OF ONE, TWO, OR GREATER
153  && THAN TWO JOBS, GIVEN THAT THE AIRCRAFT BROKE.
154
155  SUMRKE=IRKONE+IRKTWO+IRKGTR
156  WREAKE=IRKONE/SUMRKE

```

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

```

157 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

```

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

REF.	DATE	PAGE
1	1944	5

E-25

17900 05 09-10-81 10.491 0529/N241D/CDEP/PROGRAMS/REDTAB LABEL \*\*\*\*\* PAGE 6

TRANSFERS.....

TO LINE# FROM LINE#	TO LINE# FROM LINE#	TO LINE# FROM LINE#	TO LINE# FROM LINE#
185 145	119 104	105 78	76 63
76 60	76 138	68 65	64 115
64 92	53 75	40 40	40 35
EXIT 189			

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

1790U 05 09-10-81 10.491 OS29/W241D/CDEP/PROGRAMS/REDIAR

ORIGIN SYMBOLIC REFERENCES BY ALTER NUMBER

```

.....
2 .ASUB.
1 .DATA.
265 .E.I..
6 .FCIM.
14 .FCNVC
17 .FCNVI
15 .FCNVL
16 .FCNVR
3 .FCOM.
5 .FEXIT
11 .FEIL.
21 .FRDD.
12 .FRIN.
4 .FRNT.
13 .FSID.
20 .FWRD.
10 .FXP2
7 .FXP3
2 .SYMT.
0 AFSC
22 AIOG
502 AVGCHEW
377 AVGHTS
376 AVGTDL
427 BRFAK
472 BRKGRTR
470 BRKOME
471 PRKTHO
67 CLUCK
363 CLUCKJCN
373 CLUCKSQ
202 CREWS
361 CREWSHM
510 EXPEN
477 EXPVC
23 FCILOSE
351 FINISH
ELUAI
278 HISTD
276 T
271 TOLF
270 TN
343 ISIARI
344 ISTOP
430 J
340 JCN
352 KIN DMC
267 KINPTHJT

```

.DATA.

```

26 147
179 180
100 102
99 102
124 126
150 155
148 150
149 150
23 96
80 81
86 97
23 95
72 95
181 184
170 172
41 42
59 70
47 58
30 48
34 35
179 181
28 29
29 54
53 58
53 59
125 126
27 53
60 81
29 64

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37 102
180 181
102 134
155 158
150 155
150 155
96 97
81 85
97 110
95 129
95 101
184 181
71 71
59 59
48 81
37 40
184 185
68 81
110
127 128
61 77
90 95
65 78

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186 186
181 181
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168 169
170 170
181 181
185 186
184 184
179 179
101 101
179 184
145 146
150 150
168 169
170 170
172 172
178 178
87 87
96 96
98 98
83 83
113 113

```

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)



1790U 05 09-10-81 10.491 QS29/N2410/CDEP/PROGRAMS/REDTAB

346	KREWS	.DATA.	53	72						
370	KTOTMIT	.DATA.	83	100	101	111				
345	KWC	.DATA.	53	6	90	113	117			
300	*AXAFSC	.DATA.	40	125	144					
467	MEANBRK	.DATA.	25	147	148	149				
233	MEN	.DATA.	23	35	43	95	129	178	179	184
273	NOMCRE	.DATA.	30	104	116					
307	NSORTIES	.DATA.	45	46	47	98				
362	NUMJCN	.DATA.	79	81	94	98	112			
354	GLOJCN	.DATA.	27	61	77					
474	OPORONE	.DATA.	168	170	181					
475	GRORTAG	.DATA.	169	170	181					
151	PBREAK	.DATA.	23	98	126	129	145	146	150	185
466	PNORREK	.DATA.	146	147	148	149				186
374	RECIPJCN	.DATA.	94	96	97	99	100			
315	RECIPN	.DATA.	47	98						
400	RMANHR	.DATA.	101	102						
120	SRATE	.DATA.	23	127	128	129	172	185	186	
350	START	.DATA.	58	66	68	71	72			
356	STARTONE	.DATA.	66	80						
36	STOEY	.DATA.	23	97	129					
272	STOPLAST	.DATA.	29	68	70	80	88			
473	SUMBRK	.DATA.	155	156	157	158				
357	TIMESUM	.DATA.	71	95	107					
372	TOTCLOCK	.DATA.	85	96	109					
371	TOTIPLE	.DATA.	84	99	106					
342	WUC	.DATA.	27	53						
310	.S0	FORMAT								
300	.S13	FORMAT	35	36	43	45	48			
302	.S15	FORMAT	37	38						
36	.S20		34	39						
42	.S22		35	37	40					
133	.S23		48	49						
320	.S24	FORMAT	50	51						
145	.S25		53	73						
332	.S27	FORMAT	53	55						
220	.S30		64	90	114					
230	.S35		65	68						
237	.S40		67	69						
243	.S50		60	61	76	118				
366	.S55	FORMAT	81	82						
342	.S60		93							
401	.S65	FORMAT	102	103						
467	.S70		78	105						
502	.S75		53	116						
506	.S80		104	119						
407	.S85	FORMAT	121	122						
431	.S87	FORMAT	129	131						
512	.S88	FORMAT	132	185						
602	.S90		125	133						
437	.S98	FORMAT	134	135						

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

1790U 05 09-10-81 10.491 QS29/N241D/COEP/PROGRAMS/REDTAB

447 .S130	FORMAT	141	142
1036 .S195		145	185
516 .S197	FORMAT	186	187
1073 .S200		144	188

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

1790U 05 09-10-81 10.491 0S29/N241D/CDEP/PROGRAMS/REDTAB

EDIT DATE 07-29-75 \*SR 8/F

	ELAPSED TIME (SEC)	LINES/ MINUTE
OVERHEAD	.18	
PHASE 1	.53	21333
PHASE 2	.01	
PHASE 4	.43	26336
PHASE 5	.99	11453
TOTAL	2.16	5264
TOTAL TIME	2.19	

THERE WERE 1 DIAGNOSTICS IN ABOVE COMPILATION  
274 WORDS WERE USED FOR THIS COMPILATION

SNUMB = 1790U, ACTIVITY # = 06, REPORT CODE = 74, RECORD COUNT = 000025

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

ENTRY LOCATION

**SURPROGRAMS INCLUDED IN DECK.**

00430

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

ALLOCATED CORE RELOCATABLE	RANGE	SIZE
\$	000000 THRU 031777	032000
\$	012102 THRU 031777	017636
\$	01, HIR	
\$	PRMFL 02, R, S, NS29/N241D/CDEP/WCMAP/SJAO	
\$	DATA 03	
\$	DATA 05	
\$	SYSDIUT 0R, XL	
\$	PRMFL 09, W, S, NS29/N241D/CDEP/SGMINPT2/SJAO	

### FEB AND BUFFER SPACE.

AVAILABLE	000101	THRU	012141	012041
FILE CTRL	RLKS	011606	THRU	012142
MAXIMUM	BUFFER	SPACE	REQUIRED	000335
				005010

11K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN  
001226 LOCATIONS REQUIRED FOR LOAD TABLE  
EXECUTION PROGRAM ENTERED AT 030674 THROUGH .FSETU

SNIPR = 17900, ACTIVITY # = 06, REPORT CONF = 04, RECORD COUNT = 000054

70	32	77	36	17	24	29	21
23	13	24	30	8	26	27	201
30	0	0	0	0	0	0	0

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

N/C	AFSC	PR (BREAK)	CLOCK	S.RATE	MEN	CREWS	ST. DEV
1	321X2	0.2874	6.4819	0.1543	70	30.26	14.8659
2	325X0	0.1515	6.9333	0.1442	32	15.70	13.6741
3	328X3	0.1062	7.6351	0.1310	77	31.96	16.5565
4	328X0	0.2010	5.3435	0.1871	36	19.43	11.4924
5	328X4	0.1506	3.8287	0.2612	17	9.97	8.1822
6	404X1	0.0225	6.5861	0.1518	24	12.07	15.3434
7	423E2	0.1699	13.9927	0.0715	29	10.43	20.7349
8	423E3	0.0408	9.4379	0.1060	21	8.44	19.8762
9	423X0	0.1128	7.2989	0.1370	23	12.68	15.0758
10	423X1	0.0793	6.2351	0.1604	13	6.71	11.0345
11	423X4	0.0836	7.1653	0.1396	24	12.18	12.5688
12	426X2	0.0508	6.2286	0.1605	30	10.95	13.6501
13	427X0	0.0370	2.5042	0.3993	8	4.61	4.3269
14	427X5	0.1633	3.7007	0.2702	26	15.57	10.7173
15	431E1	0.0335	11.5729	0.0864	27	10.82	20.6065
16	431X1	0.0527	1.8421	0.5429	201	133.29	3.6676
17	462X0	0.1641	1.7594	0.5684	30	7.61	6.1445

THE OVERALL BREAK RATE IS 0.8785

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

AFSC	PR (BREAK)	NUM. CREWS	SVC. RATE
321X2	0.2978	27.7676	0.1417
325X0	0.1515	15.0639	0.1384
328X3	0.1062	31.0711	0.1273
328X0	0.2010	18.3593	0.1769
328X4	0.1506	9.5688	0.2507
404X1	0.0225	11.9979	0.1510
423E2	0.1699	9.9524	0.0682
423E3	0.0608	8.3078	0.1043
423X0	0.1188	12.2815	0.1327
423X1	0.0793	6.5677	0.1571
423X4	0.0836	11.9101	0.1365
426X2	0.0508	10.8063	0.1585
427X0	0.0379	4.5622	0.3955
427X5	0.1633	14.8863	0.2584
431E1	0.0335	10.7310	0.0857
431X1	0.0527	131.4904	0.5356
462X0	0.1641	7.2708	0.5434

SNUMB = 17900, ACTIVITY = 06, REPORT CODE = 52, RECORD COUNT = 000036

NUMBER OF SORTIES =	7689
RECORDS INPUT =	29713
NMEN( 1)=	70
AVGCREW= 0.23134720E 01	
NMEN( 2)=	32
AVGCREW= 0.20377313E 01	
NMEN( 3)=	77
AVGCREW= 0.24089139E 01	
NMEN( 4)=	36
AVGCREW= 0.18524381E 01	
NMEN( 5)=	17
AVGCREW= 0.17046754E 01	
NMEN( 6)=	24
AVGCREW= 0.19889650E 01	
NMEN( 7)=	29
AVGCREW= 0.27795521E 01	
NMEN( 8)=	21
AVGCREW= 0.24481645E 01	
NMEN( 9)=	23
AVGCREW= 0.12138354E 01	
NMEN( 10)=	13
AVGCREW= 0.19385943E 01	
NMEN( 11)=	24
AVGCREW= 0.19712365E 01	
NMEN( 12)=	30
AVGCREW= 0.27399797E 01	
NMEN( 13)=	8
AVGCREW= 0.17366108E 01	
NMEN( 14)=	26
AVGCREW= 0.16694323E 01	
NMEN( 15)=	27
AVGCREW= 0.24946370E 01	
NMEN( 16)=	201
AVGCREW= 0.15079691E 01	
NMEN( 17)=	30
AVGCREW= 0.30429426E 01	

SNUMB = 17900, ACTIVITY = 06, REPORT CODE = 10, RECORD COUNT = 000022

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

W/C	AFSC	AVG IDLE	AVG TASKS	MAN-HR
1	321X2	4.0475	2.6853	2.1407
2	325X0	3.5222	1.8781	3.7201
3	329R3	5.5500	1.6257	3.1688
4	329X0	2.7516	1.9200	2.5298
5	329X4	1.9040	1.7147	1.9308
6	404X1	4.1118	1.8171	2.7886
7	423E2	12.0197	1.9085	2.9143
8	423E3	4.9222	1.4585	7.8335
9	423X0	3.6602	2.0422	3.2656
10	423X1	2.1481	2.1559	3.7079
11	423X4	3.2059	1.9642	4.0221
12	426X2	2.2950	1.3491	8.0260
13	427R0	0.5051	1.1313	3.1615
14	427X5	1.5920	1.2327	2.8708
15	431E1	5.5928	1.7328	8.7904
16	431X1	0.3790	1.2837	1.7732
17	462X0	0.6401	1.0791	3.9706

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)

FIGURE E-4. SAMPLE "SMALLJCL" RUN (CONT'D)



**APPENDIX F.**  
**NOTIONAL BASE RUN**

**PRECEDING PAGE BLANK-NOT FILLED**

## APPENDIX F. NOTIONAL BASE RUN

### A. OS29/N241D/TEMPSFF

Function. Creates notional base data for each of the aircraft types; F4, F15, F16, F111, A10.

Input. No user supplied inputs  
OS29/N241D/CDEP/WCMAP/ Base for all bases  
OS29/N241D/CDEP/SGMINPT2/ Base for all bases  
JG05A/CDEP/CALLNOT - uncompiled version is JG05A/CDEP/ALLNOT  
(Figure 60)

Output. The following files contain data for each of the notional bases:

OS29/N241D/CDEP/WCMAP/F4 (Figure F-1)  
OS29/N241D/CDEP/WCMAP/F15  
OS29/N241D/CDEP/WCMAP/F16  
OS29/N241D/CDEP/WCMAP/F111  
OS29/N241D/CDEP/WCMAP/A10  
OS29/N241D/CDEP/SGMINPT2/F4 (Figure F-2)  
OS29/N241D/CDEP/SGMINPT2/F15  
OS29/N241D/CDEP/SGMINPT2/F16  
OS29/N241D/CDEP/SGMINPT2/F111  
OS29/N241D/CDEP/SGMINPT2/A10

Computer printout listing AFSC, break rate, number of crews and service rate for each notional base.

JCL. Figure F-3.

Program Submission. Figure F-4.

1. Name of submitter.
2. Identification

Sample Run. Figure F-5.

321X2  
322X2  
325X0  
328X0  
328X3  
328X4  
404R1  
423E2  
423E3  
423X0  
423X1  
423X4  
426X2  
427R0  
427R5  
431E1  
431X1  
462X0

\*

FIGURE F-1. NOTIONAL BASE, F-4 AFSC LIST - OS29/N241D/CDEF/WCMAP/F4

0.2441	23.79	0.1407
0.1818	38.50	0.2098
0.1584	20.92	0.1453
0.2194	22.66	0.1283
0.1577	23.92	0.1452
0.1315	13.09	0.1636
0.0523	13.86	0.1732
0.1716	11.20	0.0924
0.0570	10.25	0.1015
0.1174	12.01	0.1666
0.0645	8.89	0.1479
0.0998	11.90	0.1487
0.0637	10.96	0.1274
0.0896	6.28	0.4741
0.1584	13.48	0.2897
0.0550	12.08	0.0823
0.1766	129.71	0.1947
0.1209	15.40	0.3341

\*

FIGURE F-2. NOTIONAL F-4 MANPOWER FILE-OS29/N241D/CDEP/SGMINPT2/F4

```

##A-R(XL) : ,8,16,32
$:NOTE:** &FIRSTNAME. ** JCL = OS29/N241D/TEMPSFF
$:IDENT:&IDENT.
$:NOTE:** SOURCE = JG05A/CDEP/ALL.NOT
$:OPTION:FORTRAN,NOMAP
$:SELECT:JG05A/CDEP/CALLNOT
$:EXECUTE
$:LIMITS:05,25K,,3K
$:DATA:01
$:SELECT:OS29/N241D/CDEP/WCMAP/SJ80
$:SELECT:OS29/N241D/CDEP/WCMAP/MOOD80
$:SELECT:OS29/N241D/CDEP/WCMAP/HAHN80
$:SELECT:OS29/N241D/CDEP/WCMAP/OSAN80
$:SELECT:OS29/N241D/CDEP/WCMAP/GEOR80
$:SELECT:OS29/N241D/CDEP/WCMAP/SPNG80
$:SELECT:OS29/N241D/CDEP/WCMAP/SHAW80
$:SELECT:OS29/N241D/CDEP/WCMAP/BSTR80
$:SELECT:OS29/N241D/CDEP/WCMAP/CLRK80
$:SELECT:OS29/N241D/CDEP/WCMAP/EDRF80
$:SELECT:OS29/N241D/CDEP/WCMAP/KADN80B
$:SELECT:OS29/N241D/CDEP/WCMAP/NELL80B
$:SELECT:OS29/N241D/CDEP/WCMAP/ALCN80
$:SELECT:OS29/N241D/CDEP/WCMAP/RSTN80
$:SELECT:OS29/N241D/CDEP/WCMAP/ZWEI80
$:SELECT:OS29/N241D/CDEP/WCMAP/LUKE80
$:SELECT:OS29/N241D/CDEP/WCMAP/EGLN80
$:SELECT:OS29/N241D/CDEP/WCMAP/HOLL80
$:SELECT:OS29/N241D/CDEP/WCMAP/LGLY80
$:SELECT:OS29/N241D/CDEP/WCMAP/KADN80
$:SELECT:OS29/N241D/CDEP/WCMAP/BERG80
$:SELECT:OS29/N241D/CDEP/WCMAP/CPNW80
$:SELECT:OS29/N241D/CDEP/WCMAP/NEILL80
$:SELECT:OS29/N241D/CDEP/WCMAP/HILL80
$:SELECT:OS29/N241D/CDEP/WCMAP/MOIL80
$:SELECT:OS29/N241D/CDEP/WCMAP/DAVS80
$:SELECT:OS29/N241D/CDEP/WCMAP/MYRT80
$:SELECT:OS29/N241D/CDEP/WCMAP/NELL80C
$:SELECT:OS29/N241D/CDEP/WCMAP/BWAT80
$:SELECT:OS29/N241D/CDEP/WCMAP/MTHM80
$:SELECT:OS29/N241D/CDEP/WCMAP/CANN80
$:SELECT:OS29/N241D/CDEP/WCMAP/LAKN80
$:SELECT:OS29/N241D/CDEP/WCMAP/HEYF80
$:DATA:02
$:SELECT:OS29/N241D/CDEP/SGMINPT2/SJ80
$:SELECT:OS29/N241D/CDEP/SGMINPT2/MOOD80
$:SELECT:OS29/N241D/CDEP/SGMINPT2/HAHN80
$:SELECT:OS29/N241D/CDEP/SGMINPT2/OSAN80
$:SELECT:OS29/N241D/CDEP/SGMINPT2/GEOR80
$:SELECT:OS29/N241D/CDEP/SGMINPT2/SPNG80
$:SELECT:OS29/N241D/CDEP/SGMINPT2/SHAW80
$:SELECT:OS29/N241D/CDEP/SGMINPT2/BSTR80

```

FIGURE F-3. NOTIONAL BASE JCL - OS29/N241D/TEMPSFF

```

$:SELECT:0829/N241D/CDEP/SGMINPT2/CLRK80
$:SELECT:0829/N241D/CDEP/SGMINPT2/EDRF80
$:SELECT:0829/N241D/CDEP/SGMINPT2/KADN80B
$:SELECT:0829/N241D/CDEP/SGMINPT2/NELL80B
$:SELECT:0829/N241D/CDEP/SGMINPT2/ALCN80
$:SELECT:0829/N241D/CDEP/SGMINPT2/RSTN80
$:SELECT:0829/N241D/CDEP/SGMINPT2/ZWEI80
$:SELECT:0829/N241D/CDEP/SGMINPT2/LUKE80
$:SELECT:0829/N241D/CDEP/SGMINPT2/EGLN80
$:SELECT:0829/N241D/CDEP/SGMINPT2/HOLL80
$:SELECT:0829/N241D/CDEP/SGMINPT2/LGLY80
$:SELECT:0829/N241D/CDEP/SGMINPT2/KADN80
$:SELECT:0829/N241D/CDEP/SGMINPT2/BBRG80
$:SELECT:0829/N241D/CDEP/SGMINPT2/CPNW80
$:SELECT:0829/N241D/CDEP/SGMINPT2/NELL80
$:SELECT:0829/N241D/CDEP/SGMINPT2/HILL80
$:SELECT:0829/N241D/CDEP/SGMINPT2/MDIL80
$:SELECT:0829/N241D/CDEP/SGMINPT2/DAVS80
$:SELECT:0829/N241D/CDEP/SGMINPT2/MYRT80
$:SELECT:0829/N241D/CDEP/SGMINPT2/NELL80C
$:SELECT:0829/N241D/CDEP/SGMINPT2/BWA780
$:SELECT:0829/N241D/CDEP/SGMINPT2/MTHM80
$:SELECT:0829/N241D/CDEP/SGMINPT2/CANN80
$:SELECT:0829/N241D/CDEP/SGMINPT2/LAKN80
$:SELECT:0829/N241D/CDEP/SGMINPT2/HEYF80
$:PRMFL:07,W,S,0829/N241D/CDEP/WCMAP/F4
$:PRMFL:08,W,S,0829/N241D/CDEP/WCMAP/F15
$:PRMFL:09,W,S,0829/N241D/CDEP/WCMAP/F16
$:PRMFL:10,W,S,0829/N241D/CDEP/WCMAP/A10
$:PRMFL:11,W,S,0829/N241D/CDEP/WCMAP/F111
$:PRMFL:12,W,S,0829/N241D/CDEP/SGMINPT2/F4
$:PRMFL:13,W,S,0829/N241D/CDEP/SGMINPT2/F15
$:PRMFL:14,W,S,0829/N241D/CDEP/SGMINPT2/F16
$:PRMFL:15,W,S,0829/N241D/CDEP/SGMINPT2/A10
$:PRMFL:16,W,S,0829/N241D/CDEP/SGMINPT2/F111
$:ENDJOB

```

\*

FIGURE F-3. NOTIONAL BASE JCL - 0829/N241D/TEMPSFF (CONT'D)

=RUN OS29/N241D/TEMPSFF  
ENTER FIRSTNAME ?  
1. =NANCY B  
ENTER IDENT ?  
2. =OS2011N241D ,OS29UGOODWIN

JOB SUBMITTED  
SNUMB # 7445U

FIGURE F-4. NOTIONAL BASE SUBMISSION

[illegible]

SS 7445U ENTERED C AT 13.230 FROM TSS/S 0-08-12

```

0001 S      SNUMB      7445U
0002 S      COMMENT   QS298RIGGS      TSS CARDIN
0003 S      USERID    QS298RIGGSS#####
0004 S      NOTE      ** VANCY B ** JCL = QS29/N241D/TEMPSFF
0005 S      IDENT     QS2011N241D ,QS29UGOODWIN
0006 S      NOTE      ** SOURCE = JG05A/COEP/ALL.NOT
0007 S      OPTION    FORTRAN,NOMAP
0008 SS     SELECT     JG05A/COEP/CALLNOT
0009* S      OBJECT
0011* S      OBJECT
0013* S      OBJECT
0015 AS     EXECUTE
0016 S      LIMITS     05,25K,,3K
0017 S      DATA      01
0018 S      SELECT     QS29/N241D/COEP/WCMAP/SJ80
0019 SS     SELECT     QS29/N241D/COEP/WCMAP/MQ0080
0020 SS     SELECT     QS29/N241D/COEP/WCMAP/HAHN80
0021 SS     SELECT     QS29/N241D/COEP/WCMAP/OSAN80
0022 SS     SELECT     QS29/N241D/COEP/WCMAP/GEOR80
0023 SS     SELECT     QS29/N241D/COEP/WCMAP/SPNG80
0024 SS     SELECT     QS29/N241D/COEP/WCMAP/SHAW80
0025 SS     SELECT     QS29/N241D/COEP/WCMAP/8STR80
0026 SS     SELECT     QS29/N241D/COEP/WCMAP/CLRK80
0027 SS     SELECT     QS29/N241D/COEP/WCMAP/EDRF80
0028 SS     SELECT     QS29/N241D/COEP/WCMAP/KADN80B
0029 SS     SELECT     QS29/N241D/COEP/WCMAP/NELL80B
0030 SS     SELECT     QS29/N241D/COEP/WCMAP/ALCN80
0031 SS     SELECT     QS29/N241D/COEP/WCMAP/RSTN80
0032 SS     SELECT     QS29/N241D/COEP/WCMAP/ZWEI80
0033 SS     SELECT     QS29/N241D/COEP/WCMAP/LUKE80
0034 SS     SELECT     QS29/N241D/COEP/WCMAP/EGLN80
0035 SS     SELECT     QS29/N241D/COEP/WCMAP/HOLL80
0036 SS     SELECT     QS29/N241D/COEP/WCMAP/LGLY80
0037 SS     SELECT     QS29/N241D/COEP/WCMAP/KAON80
0038 SS     SELECT     QS29/N241D/COEP/WCMAP/BBRG80
0039 SS     SELECT     QS29/N241D/COEP/WCMAP/CPNW80
0040 SS     SELECT     QS29/N241D/COEP/WCMAP/NELL80
0041 SS     SELECT     QS29/N241D/COEP/WCMAP/HILL80
0042 SS     SELECT     QS29/N241D/COEP/WCMAP/MOIL80
0043 SS     SELECT     QS29/N241D/COEP/WCMAP/DAVS80
0044 SS     SELECT     QS29/N241D/COEP/WCMAP/MYRT80
0045 SS     SELECT     QS29/N241D/COEP/WCMAP/NELL80C
0046 SS     SELECT     QS29/N241D/COEP/WCMAP/BWAT80

```

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN



```

0047 $$ SELECT QS29/N2410/CDEP/WCMAP/MTM80
0048 $$ SELECT QS29/N2410/CDEP/WCMAP/CANN80
0049 $$ SELECT QS29/N2410/CDEP/WCMAP/LAKN80
0050 $$ SELECT QS29/N2410/CDEP/WCMAP/HEYF80
0051 $ DATA 02
0052 $$ SELECT QS29/N2410/CDEP/SGMINPT2/SJ80
0053 $$ SELECT QS29/N2410/CDEP/SGMINPT2/MOOD80
0054 $$ SELECT QS29/N2410/CDEP/SGMINPT2/HAHN80
0055 $$ SELECT QS29/N2410/CDEP/SGMINPT2/OSAN80
0056 $$ SELECT QS29/N2410/CDEP/SGMINPT2/GEOR80
0057 $$ SELECT QS29/N2410/CDEP/SGMINPT2/SPNG80
0058 $$ SELECT QS29/N2410/CDEP/SGMINPT2/SHAW80
0059 $$ SELECT QS29/N2410/CDEP/SGMINPT2/BSTR80
0060 $$ SELECT QS29/N2410/CDEP/SGMINPT2/CLRK80
0061 $$ SELECT QS29/N2410/CDEP/SGMINPT2/EDRF80
0062 $$ SELECT QS29/N2410/CDEP/SGMINPT2/KADN80B
0063 $$ SELECT QS29/N2410/CDEP/SGMINPT2/NELL80B
0064 $$ SELECT QS29/N2410/CDEP/SGMINPT2/ALCN80
0065 $$ SELECT QS29/N2410/CDEP/SGMINPT2/RSTN80
0066 $$ SELECT QS29/N2410/CDEP/SGMINPT2/ZWEI80
0067 $$ SELECT QS29/N2410/CDEP/SGMINPT2/LUKE80
0068 $$ SELECT QS29/N2410/CDEP/SGMINPT2/EGLN80
0069 $$ SELECT QS29/N2410/CDEP/SGMINPT2/HOLL80
0070 $$ SELECT QS29/N2410/CDEP/SGMINPT2/LGLY80
0071 $$ SELECT QS29/N2410/CDEP/SGMINPT2/KADN80
0072 $$ SELECT QS29/N2410/CDEP/SGMINPT2/BBRG80
0073 $$ SELECT QS29/N2410/CDEP/SGMINPT2/CPNW80
0074 $$ SELECT QS29/N2410/CDEP/SGMINPT2/NELL80
0075 $$ SELECT QS29/N2410/CDEP/SGMINPT2/HILL80
0076 $$ SELECT QS29/N2410/CDEP/SGMINPT2/MDIL80
0077 $$ SELECT QS29/N2410/CDEP/SGMINPT2/DAVS80
0078 $$ SELECT QS29/N2410/CDEP/SGMINPT2/MYRT80
0079 $$ SELECT QS29/N2410/CDEP/SGMINPT2/NELL80C
0080 $$ SELECT QS29/N2410/CDEP/SGMINPT2/BWAT80
0081 $$ SELECT QS29/N2410/CDEP/SGMINPT2/MTM80
0082 $$ SELECT QS29/N2410/CDEP/SGMINPT2/CANN80
0083 $$ SELECT QS29/N2410/CDEP/SGMINPT2/LAKN80
0084 $$ SELECT QS29/N2410/CDEP/SGMINPT2/HEYF80
0085 $$ PRMFL 07,N,S,QS29/N2410/CDEP/WCMAP/F4
0086 $$ PRMFL 04,N,S,QS29/N2410/CDEP/WCMAP/F15
0087 $$ PRMFL 09,N,S,QS29/N2410/CDEP/WCMAP/F16
0088 $$ PRMFL 10,N,S,QS29/N2410/CDEP/WCMAP/A10
0089 $$ PRMFL 11,N,S,QS29/N2410/CDEP/WCMAP/F111
0090 $$ PRMFL 12,N,S,QS29/N2410/CDEP/SGMINPT2/F4
0091 $$ PRMFL 13,N,S,QS29/N2410/CDEP/SGMINPT2/F15
0092 $$ PRMFL 14,N,S,QS29/N2410/CDEP/SGMINPT2/F16
0093 $$ PRMFL 15,N,S,QS29/N2410/CDEP/SGMINPT2/A10
0094 $$ PRMFL 16,N,S,QS29/N2410/CDEP/SGMINPT2/F111
0095 $ ENOJOB

```

TOTAL CARD COUNT THIS JOB = 001324

\* BEGIN ACTIVITY -01- GELQAD 09/01/81 SW=000000000000  
 \* NORMAL TERMINATION AT 045233 I=5020 SW=000000000000

START	STOP	SWAP	LAPSE	FC D TYPE	BUSY	IP/AT	FP/RT	IS/#C	MS/#E	ADDRESS	T#
14.787	14.917	0.116	0.130								
				01 R 0191 *	1291	0	25	25	25	0-08-10	
				02 R 0191 *	963	0	25	25	25	0-08-10	
				R* R 0191 *	518	0	0	18	18	0-08-10	
				07 R 0191 P	47	0	1	1	1	0-08-16	
				08 R 0191 P	48	0	1	1	1	0-08-16	
				09 R 0191 P	30	0	1	1	1	0-08-16	

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)

10 R D191 P	37	0	1	1	1	0-08-16
11 R D191 P	48	0	1	1	1	0-08-16
12 R D191 P	48	0	1	1	1	0-08-16
13 R D191 P	47	0	1	1	1	0-08-16
14 R D191 P	44	0	1	1	1	0-08-16
15 R D191 P	41	0	1	1	1	0-08-16
16 R D191 P	61	0	1	1	1	0-08-16
P* SYOUT						
L* R D191 *	1524	0	0	624	624R	0-08-02

LIST 31 LINES AT STA. XL  
RC-06 208 LINES AT STA. XL

PROCESSOR	I/O	CORE	TOTAL
S .08	S .11	S .25	S .44.

SNUMB = 7445U, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000031

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)

SUBPROGRAMS INCLUDED IN DECK.

S	OPTION	FORTAN,NOMAP	
SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY			
ALLOTTED CORE RANGE SIZE			
RELOCATABLE 000000 THRU 061777 062000			
DATA 01 036210 THRU 061777 023570			
\$	DATA	02	
\$	PRMFL	07.W.S,OS29/N241D/CDEP/WCMAP/F4	
\$	PRMFL	08.W.S,OS29/N241D/CDEP/WCMAP/F15	
\$	PRMFL	09.W.S,OS29/N241D/CDEP/WCMAP/F16	
\$	PRMFL	10.W.S,OS29/N241D/CDEP/WCMAP/A10	
\$	PRMFL	11.W.S,OS29/N241D/CDEP/WCMAP/F11	
\$	PRMFL	12.W.S,OS29/N241D/CDEP/SGMINP12/F4	
\$	PRMFL	13.W.S,OS29/N241D/CDEP/SGMINP12/F15	
\$	PRMFL	14.W.S,OS29/N241D/CDEP/SGMINP12/F16	
\$	PRMFL	15.W.S,OS29/N241D/CDEP/SGMINP12/A10	
\$	PRMFL	16.W.S,OS29/N241D/CDEP/SGMINP12/F11	

FCR AND BUFFER SPACE

AVAILABLE	000101 THRU 036207	036107
FILE CTRL BLKS	035450 THRU 036210	000541
MAXIMUM BUFFER SPACE REQUIRED		010616

15K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN

001154 LOCATIONS REQUIRED FOR LOAD TABLE

EXECUTION PROGRAM ENTERED AT 061062 THROUGH .FSETU

730517 F/R

SNUMB = 7445U, ACTIVITY # = 01, REPORT CODE = 06, RECORD COUNT = 000208

0.2878	0.2150	0.1993	0.2494	0.2723	0.2440	0.2096	0.2889
0.	0.	0.0879	0.	0.	0.	0.1950	0.1677
0.1515	0.1310	0.1566	0.0522	0.1824	0.1858	0.3616	0.3283
0.2010	0.1408	0.1991	0.2202	0.2154	0.2164	0.1202	0.0855
0.1062	0.1321	0.0427	0.2612	0.1969	0.1903	0.1151	0.1161
0.1506	0.1186	0.1435	0.0870	0.1428	0.1362	0.	0.
0.0225	0.1300	0.0014	0.0110	0.0156	0.0335	0.2123	0.2047
0.1699	0.1722	0.1134	0.1241	0.1784	0.2110	0.0581	0.0581
0.0608	0.0559	0.0668	0.0506	0.0493	0.0753	0.1474	0.0930
0.1188	0.0637	0.1065	0.1480	0.1006	0.1191	0.0720	0.0741
0.0793	0.0497	0.0570	0.0623	0.0448	0.1202	0.0914	0.0820
0.0836	0.0720	0.0938	0.1217	0.0736	0.1601	0.0907	0.0415
0.0508	0.0585	0.0743	0.0604	0.0598	0.0120	0.0230	0.1535
0.0379	0.0649	0.0030	0.1459	0.1247	0.1434	0.1741	0.2272
0.1433	0.1602	0.1638	0.2360	0.0016	0.2671		

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)



0.0851	0.0319	0.0130	0.2635	0.3275	0.1938	0.4043	0.0272
0.0461	0.0423	0.0629	0.0386	0.	0.	0.	0.
0.	0.0597	0.0588	0.0149	0.0298	0.	0.	0.
0.	0.	0.1911	0.0372	0.1429	0.1854	0.	0.
0.	0.	0.	0.0992	0.0898	0.0681	0.0840	0.
0.	0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.	0.

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)

# F4 NOTIONAL BASE

AFSC	PR (BREAK)	NUM. CREWS	SVC. RATE
321X2	0.2441	23.7923	0.1407
322X2	0.1818	38.4951	0.2098
325X0	0.1584	20.9150	0.1453
328X0	0.2194	22.6578	0.1283
328X3	0.1577	23.9157	0.1452
328X4	0.1315	13.0916	0.1636
404R1	0.0523	13.8646	0.1732
423E2	0.1716	11.2019	0.0924
423E3	0.0570	10.2457	0.1015
423X0	0.1174	12.0121	0.1666
423X1	0.0645	8.8945	0.1479
423X4	0.0998	11.8989	0.1487
426X2	0.0637	10.9648	0.1274
427R0	0.0896	6.2760	0.3741
427R5	0.1584	13.4809	0.2897
431E1	0.0550	12.0752	0.0823
431X1	0.1766	129.7098	0.1947
462X0	0.1209	15.3978	0.3341

FIGURE F-5. SAMPLE NOTIONAL BASE P. M RUN (CONT'D)

# F15 NOTIONAL BASE

AFSC	PR (BREAK)	NUM. CREWS	SVC. RATE
326x6	0.2124	17.0378	0.1408
326x7	0.1188	16.2278	0.1244
326x8	0.1650	15.2644	0.1510
423E2	0.0309	4.0433	0.1636
423E3	0.0745	10.0794	0.1445
423x0	0.0797	17.3672	0.1365
423x1	0.0577	12.4963	0.1390
423x4	0.0878	17.3343	0.1207
426R2	0.0602	12.5277	0.1907
426x2	0.1276	17.5025	0.1446
427R0	0.1012	3.6874	0.5670
427x5	0.1555	14.2569	0.2322
431E1	0.0501	13.2384	0.0916
431x1	0.1555	52.5317	0.2171
462x0	0.1967	10.4286	0.2295

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)

# F16 NOTIONAL BASE

AFSC	PR [BREAK]	NUM. CREWS	SVC. RATE
326X6	0.2187	11.9364	0.1614
326X7	0.1025	9.0806	0.1370
326X8	0.0917	11.6295	0.1479
404R1	0.0052	2.1300	0.3527
423E2	0.0306	9.0099	0.1036
423E3	0.0583	15.9179	0.0936
423X0	0.0810	15.8387	0.1411
423X1	0.0233	10.1520	0.1255
423X4	0.0523	14.0977	0.0879
426R2	0.0439	5.3300	0.1472
426X2	0.0432	12.7867	0.1460
427R0	0.0302	5.6570	0.7443
427R5	0.0542	12.3402	0.3194
431E1	0.0004	5.5800	0.0370
431X1	0.0841	104.7956	0.2325
462X0	0.1092	9.9469	0.3680

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)



# A10 NOTIONAL BASE

AFSC	PR (BREAK)	NUM. CREWS	SVC. RATE
321X2	0.0331	10.5439	0.1766
322R2	0.0157	6.0751	0.3827
325X0	0.0459	23.1128	0.1488
325X1	0.0524	10.0469	0.2133
328R3	0.0440	18.2807	0.1622
328X0	0.0560	19.9383	0.2591
328X1	0.0542	6.7783	0.2747
404R1	0.0124	11.1821	0.1093
423E2	0.0424	5.5659	0.0879
423E3	0.0130	9.9723	0.0625
423X0	0.0437	11.3102	0.1994
423X1	0.0245	8.7845	0.1697
423X4	0.0236	11.0989	0.1926
426X2	0.0482	13.8167	0.1471
427R0	0.0532	6.1569	1.1767
427R5	0.0428	14.9648	0.3171
431E1	0.0504	12.1983	0.1468
431X1	0.1514	130.5224	0.2064
462X0	0.0903	7.2983	0.2230

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)

# F111 NOTIONAL BASE

AFSC	PR (BREAK)	NUM. CREWS	SVC. RATE
326x6	0.6455	36.6108	0.1020
326x7	0.3652	22.7393	0.1163
326x8	0.2981	19.0317	0.1136
404R1	0.0197	5.8103	0.4621
423E2	0.0824	8.0051	0.1005
423E3	0.1656	10.5914	0.0981
423X0	0.1596	15.4583	0.1664
423X1	0.2261	15.6466	0.1518
423X4	0.3355	11.6129	0.3610
426X2	0.2154	12.9039	0.1755
42720	0.2062	6.3845	0.5655
427X5	0.5516	16.4563	0.3574
431E1	0.2134	15.1373	0.1094
431X1	0.5006	165.0432	0.1616
462X0	0.2973	19.7466	0.2127

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)

```

#####
#####
          SSSSS      SS      SS      SSSSS      S      S
            S      S S      S S      S      S      S
SSSS      SSSS      S      S S      S S      SSSSS      S      S      SSSS      SSSS
            S      SSSSS      SSSSS      S      S      S
              S      S      S      S      S      S
              S      S      S      SSSS      SSSS
#####
#####
-- 3 0 --      DATE 09-01-81      TIME 15.954      ID = XL      C

```

FIGURE F-5. SAMPLE NOTIONAL BASE PROGRAM RUN (CONT'D)

APPENDIX G.

CDEP LISTINGS

## APPENDIX G. CDEP LISTINGS

### A. JG05A/CDEP/CSTAR/P2.C

Function.

Listing. Figure G-1.

### B. JG05A/CDEP/CSTAR/P3.C

Function.

Listing. Figure G-2.

00010 IDENTIFICATION DIVISION.  
 00020 PROGRAM-ID. SELEC.  
 00030 AUTHOR. J. S. BANKEY WRIGHT-PATTERSON AFB, OHIO (AFMSMET)  
 00040 DATE-WRITTEN. MAY-JUNE 1977.  
 00050 DATE-COMPILED.  
 00060 REMARKS.  
 00070 THIS IS THE SELECTION PROGRAM OF THE SELECTION PHASE OF  
 00080 THE COMBINED-DATA-EXTRACTION-PROGRAM SYSTEM. IT TAKES A  
 00090 SERIES OF DIRECTIVES INPUT BY THE USER AND TRANSLATES THEM  
 00100 INTO TABLES OF SELECTION CRITERIA. THE PROGRAM USES  
 00110 THESE CRITERIA TO CHOOSE SELECTED RECORDS FROM THE BASE-  
 00120 LEVEL MAINTENANCE TRANSACTION HISTORY FILE (ABD6DA) AND TO  
 00130 SHUNT THEM OR PARTS OF THEIR DATA TO VARIOUS FILES.  
 00140 RECORDS THAT DO NOT FIT THE SELECTION CRITERIA AT SOME  
 00150 POINT ARE GIVEN A REJECT REASON CODE, SENT TO A REJECT  
 00160 FILE, AND HAVE THEIR PRESENCE AND ANY MANHOURS TALLIED  
 00170 FOR GROSS ACCOUNTING IN THE SELECTION PROGRAM OUTPUT  
 00180 SUMMARY (REPORT S00). SOME SELECTED RECORDS ARE CONDENSED  
 00190 AND SENT TO THE SELECTION-REPORT FILE FOR PROCESSING  
 00200 BY THE SELECTION-REPORT PROGRAM. THE REMAINDER OF THE  
 00210 RECORDS ARE CONDENSED AND SENT TO THE COMBINATION PHASE  
 00220 OF THE SYSTEM FOR FURTHER MASTICATION AND REPORTING.  
 00230  
 00240 INTERNAL(EXTERNAL) FILE NAMES/CODES DESCRIPTION  
 00250 INPUT FILES  
 00260 ABD6DA-FILE(DA) - BASE-LEVEL MAINTENANCE TRANSACTION  
 00270 HISTORY FILE  
 00280 DIRECTIVES-FILE(DI) - USER DIRECTIVES GIVING  
 00290 SELECTION CRITERIA  
 00300 D056B-B4-MASTER-FILE(B4) - AFSC D056B FILE THAT CON-  
 00310 TAINS CODUMENTARY INFORMATION FOR ALL THE WORK  
 00320 UNIT CODES (WUC'S) ASSOCIATED WITH A GIVEN  
 00330 MDS/AIRCRAFT-SYSTEM.  
 00340 OUTPUT FILES  
 00350 DIRECTIVE-LIST-FILE(DL) - LOG OF USER INPUT DIREC-  
 00360 TIVES WITH ERROR MESSAGES AS APPROPRIATE  
 00370 S00-FILE(S0) - REPORT S00 - RECORD SELECTION  
 00380 SUMMARY - SHOWING THE GROSS REDISTRIBUTION OF  
 00390 ABD6DA RECORDS AND MANHOURS FOR THE REASONS  
 00400 STATED ON THE REPORT  
 00410 S01-FILE(S1) - REPORT S01 - FORMALIZED LISTING OF  
 00420 SELECTION CRITERIA AS DEFINED BY USER INPUTS  
 00430 AND INTERNAL DEFAULTS  
 00440 S01-INDEX-FILE(X1) - CONTAINS PRINT IMAGE RECORDS  
 00450 OF THOSE S01-FILE RECORDS THAT APPLY TO THE  
 00460 COMBINATION PHASE REPORTS. USED THERE.  
 00470 AFSC-INDEX-FILE(X2) - CONTAINS THE SORTED RECORDS  
 00480 OF 1) AFSC'S ASSIGNED TO WORKCENTERS BY USER  
 00490 DIRECTIVES AND 2) THE 2 DIGIT NUMERIC INDEX  
 00500 (01<=INDEX<=99) ASSIGNED TO THE AFSC BY THIS  
 00510 PROGRAM. USED DURING COMBINATION PHASE REPORTS.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C (UNCOMPILED VERSION)

00520 SRD-WDC-RPT-INDEX-FILE(X3) - FILE SHOWING USER-  
 00530 DEFINED SRD, WHEN-DISCOVERED-CODE, + ON/OFF  
 00540 EQUIPMENT COMBINATIONS ASSOCIATED WITH THE  
 00550 COMBINATION PHASE REPORT ID'S SELECTED BY  
 00560 THE USER. USED IN THE COMBINATION PHASE.  
 00570 COMBINATION-FILE(CO) - CONTAINS CONDENSED + REFOR-  
 00580 MATTED ABD6DA RECORDS THAT PASSED ALL THE  
 00590 SELECTION CRITERIA TO GET THEM PASSED TO  
 00600 THE COMBINATION PHASE. USED THERE.  
 00610 SELECTION-REPORT-FILE(SR) - CONTAINS CONDENSED +  
 00620 REFORMATTED ABD6DA RECORDS THAT PASSED THOSE  
 00630 SELECTION CRITERIA TO MAKE THEM APPEAR ON  
 00640 THE SELECTION REPORTS SA THE SH. ALSO CONTAINS  
 00650 PREFIX RECORDS FOR EACH POSSIBLE SELECTION  
 00660 REPORT. USED BY THE SELECTION PHASE REPORT  
 00670 GENERATING PROGRAM.  
 00680 REJECT-FILE(RJ) - CONTAINS ABD6DA-FORMAT RECORDS  
 00690 WITH REJECTION CODES ADDED TO THEM. NOT  
 00700 CURRENTLY USED.  
 00701 { KNT-INDEX-FILE(KN) - CONTAINS AFSC INDEX, TYPE OF  
 00702 { MAINTENANCE CODE, WHEN DISCOVERED CODE, ON/OFF  
 00703 { EQUIPMENT MAINTENANCE INDICATOR, AND SRD. THIS  
 00704 { FILE IS READ BY A LATER DATA ANALYSIS PROGRAM. }  
 00710  
 00720 \*\*\*\*\*  
 00730 ENVIRONMENT DIVISION.  
 00740 CONFIGURATION SECTION.  
 00750 INPUT-OUTPUT SECTION.  
 00760 FILE-CONTROL.  
 00770 SELECT ABD6DA-FILE  
 00780 ASSIGN TO DA.  
 00790 SELECT OPTIONAL D056B-B4-MASTER-FILE  
 00800 ASSIGN TO B4.  
 00810 SELECT DIRECTIVES-FILE  
 00820 ASSIGN TO DI.  
 00830 SELECT DIRECTIVE-LIST-FILE  
 00840 ASSIGN TO DL FOR LISTING.  
 00850 SELECT S00-FILE  
 00860 ASSIGN TO S0 FOR LISTING.  
 00870 SELECT S01-FILE  
 00880 ASSIGN TO S1 FOR LISTING.  
 00890 SELECT S01-INDEX-FILE  
 00900 ASSIGN TO X1.  
 00910 SELECT AFSC-INDEX-FILE  
 00920 ASSIGN TO X2.  
 00930 SELECT SRD-WDC-RPT-INDEX-FILE  
 00940 ASSIGN TO X3.  
 00950 SELECT COMBINATION-FILE  
 00960 ASSIGN TO CO.  
 00970 SELECT SELECTION-REPORT-FILE  
 00980 ASSIGN TO SR.  
 00990 SELECT REJECT-FILE  
 01000 ASSIGN TO RJ.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
 (UNCOMPILED VERSION CONT'D)

```

01001      {SELECT KNT-INDEX-FILE}
01002      {  ASSIGN TO KN.  }
01010      I-O-CONTROL.
01020      APPLY SYSTEM STANDARD FORMAT ON
01030          ABD6DA-FILE
01040          D056B-B4-MASTER-FILE
01050          DIRECTIVES-FILE
01060          DIRECTIVE-LIST-FILE
01070          S00-FILE
01080          S01-FILE
01090          S01-INDEX-FILE
01100          AFSC-INDEX-FILE
01110          SRD-WDC-RPT-INDEX-FILE
01120          COMBINATION-FILE
01130          SELECTION-REPORT-FILE
01140          REJECT-FILE
01141      {KNT-INDEX-FILE.}
01150 *
01160 /
01170      DATA DIVISION.
01180      FILE SECTION.
01190 *
01200 *
01210      FD ABD6DA-FILE
01220          LABEL RECORD STANDARD.
01230      01  6DA-RECORD.
01240          03  6DA-1-79.
01250              05  6DA-JCN                      PIC X(7).
01260              05  6DA-WCTR                      PIC X(5).
01270              05  6DA-EQ-ID-NO.
01280                  07  FILLER                      PIC X.
01290                  07  6DA-SRD-1                    PIC X.
01300                  07  FILLER                      PIC XXXX.
01310              05  FILLER                      PIC X(32).
01320              05  6DA-TYPE-MAINT                  PIC X.
01330              05  6DA-COMP-POS                    PIC X.
01340              05  6DA-TCTO-NO.
01350                  07  6DA-WUC.
01360                      09  6DA-WUC-1-3.
01370                          11  6DA-WUC-1-2.
01380                              13  FILLER          PIC X.
01390                                  13  6DA-WUC-2-NUM  PIC X.
01400                                      11  FILLER  PIC X.
01410                                          09  FILLER  PIC XX.
01420                                              07  6DA-ATC      PIC X.
01430                                              07  6DA-WDC      PIC X.
01440          05  6DA-HOW-MAL          PIC XXX.
01450          05  6DA-UNITS            PIC XX.
01460          05  6DA-START-STOP-TIMES.
01470              07  6DA-START-HRS    PIC 99.
01480              07  6DA-START-MINUTES  PIC 99.
01490              07  6DA-STOP-DAY      PIC 999.
01500              07  6DA-STOP-HRS      PIC 99.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



01510		07	6DA-STOP-MINUTES	PIC 99.
01520		05	6DA-CREWSIZE	PIC 9.
01530		05	6DA-LABOR-CATEGORY	PIC X.
01540		05	6DA-ACTIVITY-ID	PIC XX.
01550	03		FILLER	PIC X(27).
01560	03		6DA-ASSIGN-CODE	PIC XX.
01570	03		FILLER	PIC X(7).
01580	03		6DA-QUEEN-BEE-FLAG	PIC X.
01590	03		6DA-117	PIC X.
01600	03		6DA-MANHRS	PIC 9999.
01610	03		6DA-DATA-CLASS	PIC X.
01620	03		6DA-REC-ID.	
01630		05	6DA-REC-ID-NUM	PIC 9.
01640	03		6DA-EQUIP-CLASS	PIC XX.
01650	03		FILLER	PIC X(37).
01660	01		6DA-6-AND-7-REC-DATA.	
01670	03		FILLER	PIC X(53).
01680	03		6DA-7-RI	PIC X.
01690	03		6DA-6-WUC-1-2	PIC XX.
01700	03		FILLER	PIC X(9).
01710	03		6DA-6-RI	PIC X.
01720	03		FILLER	PIC X(96).
01730	*			
01740	*			
01750	FD		D056B-B4-MASTER-FILE	
01760			LABEL RECORD STANDARD.	
01770	01		B4-REC.	
01780	03		FILLER	PIC XX.
01790	03		B4-MDS	PIC X(7).
01800	03		FILLER	PIC X(71).
01810	*			
01820	*			
01830	FD		DIRECTIVES-FILE	
01840			LABEL RECORD STANDARD.	
01850	01		DIRECTIVE-RECORD	PIC X(80).
01860	*			
01870	*			
01880	FD		DIRECTIVE-LIST-FILE	
01890			LABEL RECORD STANDARD.	
01900	01		DIRECTIVE-LIST-REC	PIC X(84).
01910	*			
01920	*			
01930	FD		S00-FILE	
01940			LABEL RECORD STANDARD.	
01950	01		S00-REC	PIC X(84).
01960	*			
01970	*			
01980	FD		S01-FILE	
01990			LABEL RECORD STANDARD.	
02000	01		S01-REC	PIC X(84).
02010	*			
02020	*			
02030	FD		S01-INDEX-FILE	

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

02040		LABEL RECORD STANDARD.	
02050	01	S01-INDEX-RECORD.	
02060		03 S01-INDEX-LINESKIP	PIC 99.
02070		03 S01-INDEX-DETAIL-DATA	PIC X(82).
02080	*		
02090	*		
02100	FD	AFSC-INDEX-FILE	
02110		LABEL RECORD STANDARD.	
02120	01	AFSC-INDEX-REC.	
02130		03 A-I-AFSC-INDEX	PIC 99.
02140		03 A-I-AFSC	PIC X(5).
02150	*		
02160	*		
02170	FD	SRD-WDC-RPT-INDEX-FILE	
02180		LABEL RECORD STANDARD.	
02190	01	SRD-WDC-RPT-INDEX-REC	PIC X(5).
02200	*		
02210	*		
02220	FD	REJECT-FILE	
02230		LABEL RECORD STANDARD.	
02240	01	REJECT-RECORD.	
02250		03 FILLER	PIC X(82).
02260		03 RJ-REASON	PIC 99.
02270		03 FILLER	PIC X(78).
02280	*		
02290	*		
02300	FD	SELECTION-REPORT-FILE	
02310		LABEL RECORD STANDARD.	
02320	01	SELECTION-RECORD	PIC X(45).
02330	*		
02340	*		
02350	FD	COMBINATION-FILE	
02360		LABEL RECORD STANDARD.	
02370	01	COMBINATION-RECORD.	
02380		03 COMBI-JCN	PIC X(7).
02390		03 COMBI-EQ-ID-NO	PIC X(6).
02400		03 COMBI-LATC-INDEX	PIC 99.
02410		03 COMBI-WUC	PIC X(5).
02420		03 COMBI-COMP-POS	PIC X.
02430		03 COMBI-START-TIME	PIC 9(6).
02440		03 COMBI-STOP-TIME	PIC 9(6).
02450		03 COMBI-MANHRS	PIC 9999.
02460		03 COMBI-AFSC-INDEX	PIC 99.
02470		03 COMBI-CREWSIZE	PIC 9.
02480		03 COMBI-UNITS	PIC XX.
02490		03 COMBI-RPT-ID-1	PIC X.
02500		03 COMBI-RPT-ID-2	PIC X.
02510		03 COMBI-WDC	PIC X.
02511	FD	KNT-INDEX-FILE	
02512		LABEL RECORD STANDARD.	
02513	01	NEW-REC-KNT.	
02514		03 NEW-AFSC-INDEX	PIC 99 VALUE 0.
02515		03 NEW-TYPE-MAINT	PIC X VALUE SPACE.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

02516	{	03	NEW-WDC	PIC X VALUE SPACE.	}
02517		03	NEW-REC-ID	PIC 9 VALUE 0.	
02518		03	NEW-SRD-1	PIC X VALUE SPACE.	
02519		03	NEW-SRD-2-3	PIC XX VALUE SPACE.	
02520		03	NEW-MAN-HOURS	PIC 9999 VALUE 0.	
02521	*				
02530	*				
02540	/				
02550			WORKING-STORAGE SECTION.		
02560	*				
02570	*				
02580	*		*****		
02590	*		* SRD-WDC-RPT-INDEX FILE DETAIL		
02600	01		SRD-WDC-RPT-INDEX-DETAIL.		
02610		03	S-W-R-I-D-SRD-1	PIC X.	
02620		03	S-W-R-I-D-6DA-REC-ID	PIC X.	
02630		03	S-W-R-I-D-WDC	PIC X.	
02640		03	S-W-R-I-D-RPT-ID-1	PIC X.	
02650		03	S-W-R-I-D-RPT-ID-2	PIC X.	
02660	*				
02670	*				
02680	*		*****		
02690	*		* SELECTION-REPORT-FILE HEADER+DETAIL RECORD AREAS		
02700	*				
02710	01		SELECTION-HEADER.		
02720		03	SEL-H-KEY.		
02730		05	SEL-H-KEY-RPT	PIC X.	
02740		05	FILLER	PIC X(12).	
02750		03	SEL-H-DATA.		
02760		05	SEL-H-OPTION	PIC 9.	
02770		05	SEL-H-SRDS.		
02780		07	SEL-H-SORTIE-F-H-CNT	PIC 9(6).	
02790		07	SEL-H-SORTIE-F-H-TITLE	PIC X(7).	
02800		07	FILLER	PIC X(18).	
02810	*				
02820	01		SELECT-DETAIL-A.		
02830		03	FILLER	PIC X VALUE "A".	
02840		03	FILLER	PIC X(7) VALUE LOW-VALUE.	
02850		03	SEL-D-A-AFSC	PIC X(5).	
02860		03	SEL-D-A-MANHRS	PIC 9999.	
02870		03	FILLER	PIC XX VALUE SPACE.	
02880		03	SEL-D-A-COL-INDEX	PIC 9.	
02890	*				
02900	01		SELECT-DETAIL-B.		
02910		03	FILLER	PIC X VALUE "B".	
02920		03	FILLER	PIC X(7) VALUE LOW-VALUE.	
02930		03	SEL-D-B-WCTR	PIC X(5).	
02940		03	SEL-D-B-MANHRS	PIC 9999.	
02950		03	SEL-D-B-UNITS	PIC XX.	
02960	*				
02970	01		SELECT-DETAIL-C.		
02980		03	FILLER	PIC X VALUE "C".	
02990		03	SEL-D-C-WUC-1-2	PIC XX.	

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

03000	03	FILLER	PIC X(10) VALUE SPACE.
03010	03	FILLER	PIC X(8) VALUE SPACE.
03020	03	SEL-D-C-RI	PIC X.
03030	*		
03040	01	SELECT-DETAIL-D.	
03050	03	FILLER	PIC X VALUE "D".
03060	03	FILLER	PIC X(7) VALUE LOW-VALUE.
03070	03	SEL-D-D-AFSC	PIC X(5).
03080	03	SEL-D-D-MANHRS	PIC 9999.
03090	03	FILLER	PIC XX VALUE SPACE.
03100	03	SEL-D-D-COL-INDEX	PIC 9.
03110	03	SEL-D-D-ROW-INDEX	PIC 9.
03120	*		
03130	01	SELECT-DETAIL-EF.	
03140	03	SEL-D-EF-RPT-ID	PIC X.
03150	03	FILLER	PIC XX VALUE LOW-VALUE.
03160	03	SEL-D-EF-PSEUDO-WUC	PIC X(5).
03170	03	SEL-D-EF-AFSC	PIC X(5).
03180	03	SEL-D-EF-MANHRS	PIC 9999.
03190	03	SEL-D-EF-UNITS	PIC XX.
03200	03	FILLER	PIC XXX VALUE SPACE.
03210	03	SEL-D-EF-PRINT-WUC	PIC X(5).
03220	*		
03230	01	SELECT-DETAIL-G.	
03240	03	FILLER	PIC X VALUE "G".
03250	03	SEL-D-G-TCTQ-NO	PIC X(7).
03260	03	SEL-D-G-AFSC	PIC X(5).
03270	03	SEL-D-G-MANHRS	PIC 9999.
03280	03	SEL-D-G-UNITS	PIC XX.
03290	*		
03300	01	SELECT-DETAIL-H.	
03310	03	FILLER	PIC X VALUE "H".
03320	03	FILLER	PIC XX VALUE LOW-VALUE.
03330	03	SEL-D-H-PSEUDO-WUC	PIC X(5).
03340	03	SEL-D-H-AFSC	PIC X(5).
03350	03	SEL-D-H-MANHRS	PIC 9999.
03360	03	SEL-D-H-UNITS	PIC XX.
03370	03	FILLER	PIC XX VALUE SPACE.
03380	03	SEL-D-H-RI	PIC X.
03390	03	SEL-D-H-PRINT-WUC	PIC X(5).
03400	*		
03410	*		
03420	*	*****	
03430	*	* REPORT S00 HEADERS+DETAIL	
03440	*		
03450	01	S00-HEADER-O.	
03460	03	FILLER	PIC X(29) VALUE SPACE.
03470	03	FILLER	PIC X(29) VALUE
03480		"CDEP STANDARD H.I.S. VERSION "	
03490	03	S00-HEAD0-VERSION	PIC X(10).
03500	*		
03510	01	S00-HEADER.	
03520	03	FILLER	PIC X(10) VALUE SPACE.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

03530      03  FILLER                      PIC X(10) VALUE "REPORT S00".
03540      03  FILLER                      PIC X(11) VALUE SPACE.
03550      03  FILLER                      PIC X(28) VALUE
03560          "INPUT DATA SELECTION SUMMARY".
03570      03  FILLER                      PIC X(12) VALUE SPACE.
03580      03  FILLER                      PIC X(5) VALUE "PAGE ".
03590      03  S00-H-PAGE-CNT              PIC ZZZ9.
03600  *
03610  01  S00-HEADER-2.
03620      03  FILLER                      PIC X(23) VALUE SPACE.
03630      03  FILLER                      PIC X(19) VALUE
03640          "REPORT GROUP TITLE-".
03650      03  S00-HEAD-2-TITLE            PIC X(25).
03660  *
03670  01  S00-SUBHEADER.
03680      03  S00-SH-DIRECTION            PIC X(7).
03690      03  FILLER                      PIC X(37) VALUE SPACE.
03700      03  FILLER                      PIC X(33) VALUE
03710          "NO. OF RECORDS    NO. OF MAN-HOURS".
03720  *
03730  01  S00-REJECT-TITLE.
03740      03  FILLER                      PIC X(31) VALUE
03750          "    REJECTED BECAUSE THE RECORD:".
03760  *
03770  01  S00-SELECTION-RPT-TITLE.
03780      03  FILLER                      PIC X(27) VALUE
03790          "    USED IN SELECTION REPORT".
03800  *
03810  01  S00-COMBINATION-RPT-TITLE.
03820      03  FILLER                      PIC X(36) VALUE
03830          "    PASSED TO THE COMBINATION PROGRAM".
03840  *
03850  01  S00-FOOTNOTE.
03860      03  FILLER                      PIC X(50) VALUE
03870          "* NOTE: THESE RECORDS AND MANHOURS ARE REPORTED IN".
03880      03  FILLER                      PIC X(29) VALUE
03890          " OTHER ENTRIES ON THIS REPORT".
03900  *
03910  01  S00-DETAIL.
03920      03  FILLER                      PIC X(5) VALUE SPACE.
03930      03  S00-D-TITLE                  PIC X(37).
03940      03  FILLER                      PIC X(5) VALUE SPACE.
03950      03  S00-D-COUNT                  PIC Z(6)9.
03960      03  FILLER                      PIC XXX VALUE SPACE.
03970      03  S00-D-COUNT-FLAG            PIC X.
03980      03  FILLER                      PIC XXXX VALUE SPACE.
03990      03  S00-D-MANHRS                PIC Z(6)9.9.
04000  *
04010  *
04020  *  *****
04030  *  * REPORT S00 SUPPORT CONSTANTS
04040  *
04050  01  S00-PRINT-INPUT                PIC X(7) VALUE "INPUT: ".

```

LMI MODIFICATION IS UNDERLINED.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

04060 *
04070 01 S00-PRINT-OUTPUT          PIC X(7) VALUE "OUTPUT:".
04080 *
04090 *
04100 * *****
04110 * * S01 REPORT HEADER AND DETAIL WORK AREAS
04120 *
04130 01 S01-HEADER-0.
04140 03 FILLER                      PIC X(29) VALUE SPACE.
04150 03 FILLER                      PIC X(29) VALUE
04160      "CDEP STANDARD H.I.S. VERSION ".
04170 03 S01-HEAD0-VERSION          PIC X(10).
04180 *
04190 01 S01-HEADER.
04200 03 FILLER                      PIC X(10) VALUE SPACE.
04210 03 FILLER                      PIC X(10) VALUE "REPORT S01".
04220 03 FILLER                      PIC X(11) VALUE SPACE.
04230 03 FILLER                      PIC X(28) VALUE
04240      "USER INPUT SELECTION SUMMARY".
04250 03 FILLER                      PIC X(12) VALUE SPACE.
04260 03 FILLER                      PIC X(5) VALUE "PAGE ".
04270 03 S01-H-PAGE-CNT            PIC ZZZ9.
04280 *
04290 01 S01-HEADER-2.
04300 03 FILLER                      PIC X(23) VALUE SPACE.
04310 03 FILLER                      PIC X(19) VALUE
04320      "REPORT GROUP TITLE-".
04330 03 S01-HEAD-2-TITLE          PIC X(25).
04340 *
04350 01 DIRECTIVE-SUMMARY-FLY-HRS.
04360 03 FILLER                      PIC X(9) VALUE SPACE.
04370 03 FILLER                      PIC X(22) VALUE
04380      "NO. OF FLYING-HOURS = ".
04390 03 D-S-FH-NUM                 PIC X(8).
04400 *
04410 01 DIRECTIVE-SUMMARY-MDS.
04420 03 FILLER                      PIC X(9) VALUE SPACE.
04430 03 FILLER                      PIC X(22) VALUE
04440      "MDS VALUE: FROM USER -".
04450 03 D-S-M-MDS-USER             PIC X(7) VALUE "***NONE*".
04460 03 FILLER                      PIC X(19) VALUE
04470      "-, FROM 'B4' DATA -".
04480 03 D-S-M-MDS-B4               PIC X(7) VALUE "***NONE*".
04490 03 FILLER                      PIC X VALUE "-".
04500 *
04510 01 DIRECTIVE-SUMMARY-NO-SRDS.
04520 03 FILLER                      PIC X(11) VALUE SPACE.
04530 03 FILLER                      PIC X(50) VALUE
04540      "*** NO SRD'S FOR ABOVE REPORT. NO DATA WILL FIT IT".
04550 *
04560 01 DIRECTIVE-SUMMARY-NO-WDCS.
04570 03 FILLER                      PIC X(11) VALUE SPACE.
04580 03 FILLER                      PIC X(50) VALUE

```

LMI MODIFICATION IS UNDERLINED.

FIGURE G-1. JGOLA/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

04590          "*** NO WDC'S FOR ABOVE REPORT. NO DATA WILL FIT IT".
04600 *
04610 01 DIRECTIVE-SUMMARY-SORTIE.
04620 03 FILLER PIC X(9) VALUE SPACE.
04630 03 FILLER PIC X(17) VALUE
04640 "NO. OF SORTIES = ".
04650 03 D-S-S-NUM PIC X(8).
04660 *
04670 01 DIRECTIVE-SUMMARY-WCTR.
04680 03 FILLER PIC X(9) VALUE SPACE.
04690 03 FILLER PIC X(31) VALUE
04700 "WORK CENTER TO AFSC CONVERSIONS".
04710 *
04720 01 DIRECTIVE-SUMMARY-WCTR-DETAIL.
04730 03 FILLER PIC X(12) VALUE SPACE.
04740 03 D-S-W-D-WCTR PIC X(5).
04750 03 FILLER PIC X(7) VALUE SPACE.
04760 03 D-S-W-D-AFSC PIC X(5).
04770 *
04780 01 DIRECTIVE-SUMMARY-WCTR-NONE.
04790 03 FILLER PIC X(11) VALUE SPACE.
04800 03 FILLER PIC X(41) VALUE
04810 "*** NO WORKCENTER/AFSC DIRECTIVES FOUND, ".
04820 03 FILLER PIC X(24) VALUE
04830 "NO DATA WILL BE SELECTED".
04840 *
04850 01 DIRECTIVE-SUMMARY-SELECT-1.
04860 03 FILLER PIC X(9) VALUE SPACE.
04870 03 FILLER PIC X(19) VALUE
04880 "SELECTION OPTION - ".
04890 03 D-S-SEL-1-SELECTION-BLOCK PIC X(25).
04900 *
04910 01 DIRECTIVE-SUMMARY-SELECT-2.
04920 03 FILLER PIC X(11) VALUE SPACE.
04930 03 D-S-SEL-2-SELECTION-BLOCK-1 PIC X(15).
04940 03 D-S-SEL-2-SELECTION-BLOCK-2 PIC X(54).
04950 *
04960 01 DIRECTIVE-SUMMARY-SELECT-3.
04970 03 FILLER PIC X(9) VALUE SPACE.
04980 03 FILLER PIC X(7) VALUE "REPORT ".
04990 03 D-S-SEL-3-TITLE-1' VALUE "GROUP TITLE: ".
05000 05 D-S-SEL-3-RPT-ID PIC XX.
05010 05 D-S-SEL-3-SELECTION-BLOCK-1 PIC X(11).
05020 03 D-S-SEL-3-TITLE-2.
05030 05 D-S-SEL-3-SELECTION-BLOCK-2 PIC X(18).
05040 05 FILLER PIC X(7).
05050 *
05060 01 DIRECTIVE-SUMMARY-SELECT-4.
05070 03 FILLER PIC X(9) VALUE SPACE.
05080 03 FILLER PIC X(27) VALUE
05090 "LIST OF USER-SELECTED SRD'S".
05100 *
05110 01 DIRECTIVE-SUMMARY-SELECT-5.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

05120      03  FILLER                      PIC X(11) VALUE SPACE.
05130      03  D-S-SEL-5-SRDS              PIC X(47).
05140 *
05150 01  DIRECTIVE-SUMMARY-SELECT-6.
05160      03  FILLER                      PIC X(9) VALUE SPACE.
05170      03  FILLER                      PIC X(51) VALUE
05180          "REPORTS TO BE OUTPUT BY COMBINATION REPORTS PROGRAM".
05190 *
05200 01  DIRECTIVE-SUMMARY-SELECT-7.
05210      03  FILLER                      PIC X(9) VALUE SPACE.
05220      03  FILLER                      PIC X(8) VALUE "REPORT C".
05230      03  D-S-SEL-7-RPT-ID-1          PIC X.
05240      03  D-S-SEL-7-RPT-ID-2          PIC X.
05250 *
05260 01  DIRECTIVE-SUMMARY-SELECT-8.
05270      03  FILLER                      PIC X(11) VALUE SPACE.
05280      03  FILLER                      PIC X(7) VALUE "SRD'S: ".
05290      03  D-S-SEL-8-SRDS              PIC X(47).
05300 *
05310 01  DIRECTIVE-SUMMARY-SELECT-9.
05320      03  FILLER                      PIC X(11) VALUE SPACE.
05330      03  FILLER                      PIC X(7) VALUE "WDC'S (" .
05340      03  D-S-SEL-9-WDC-NAME          PIC X(15).
05350      03  FILLER                      PIC X(6) VALUE " SET): ".
05360 *
05370 01  DIRECTIVE-SUMMARY-SELECT-10.
05380      03  FILLER                      PIC X(13) VALUE SPACE.
05390      03  D-S-SEL-10-WDC-CODES        PIC X(55).
05400 *
05410 *
05420 * *****
05430 * * S01 REPORT 'SELECT-1' SUPPORT CONSTANTS
05440 *
05450 01  DIRECTIVE-SUMMARY-3DIG-WUC        PIC X(13) VALUE
05460      "3 DIGIT WUC'S".
05470 *
05480 01  DIRECTIVE-SUMMARY-ASSIGN-CODE      PIC X(15) VALUE
05490      "ASSIGNMENT CODE".
05500 *
05510 01  DIRECTIVE-SUMMARY-COMP-POS        PIC X(18) VALUE
05520      "COMPONENT POSITION".
05530 *
05540 01  DIRECTIVE-SUMMARY-LAB-CAT          PIC X(17) VALUE
05550      "CATEGORY OF LABOR".
05560 *
05570 01  DIRECTIVE-SUMMARY-MAJCOM          PIC X(22) VALUE
05580      "ACTIVITY ID/COMMAND ID".
05590 *
05600 01  DIRECTIVE-SUMMARY-QUEEN-B          PIC X(17) VALUE
05610      "QUEEN BEE ENGINES".
05620 *
05630 01  DIRECTIVE-SUMMARY-TYPE-MAINT      PIC X(16) VALUE
05640      "TYPE MAINTENANCE".

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

05650 *
05660 *
05670 * *****
05680 * * S01 REPORT 'SELECT-2' SUPPORT CONSTANTS
05690 *
05700 01 DIRECTIVE-SUMMARY-DEFAULT PIC X(15) VALUE
05710 "DEFAULTS USED: ".
05720 *
05730 01 DIRECTIVE-SUMMARY-USER PIC X(15) VALUE
05740 "USER-SELECTED: ".
05750 *
05760 *
05770 * *****
05780 * * S01 REPORT 'SELECT-3' SUPPORT CONSTANTS
05790 *
05800 01 DIRECTIVE-SUMMARY-RPT-GEN PIC X(10) VALUE " GENERATED".
05810 *
05820 01 DIRECTIVE-SUMMARY-DTL-SUP.
05830 03 FILLER PIC X(7) VALUE "-DETAIL".
05840 03 DIRECTIVE-SUMMARY-RPT-SUP PIC X(11) VALUE
05850 " SUPPRESSED".
05860 *
05870 *
05880 * *****
05890 * * DIRECTIVE PROCESSING MESSAGES
05900 *
05910 01 DIRECTIVE-FATAL-SEL-TAB-2MANY.
05920 03 FILLER PIC X(39) VALUE
05930 " ***** FATAL ERROR, MAIN SELECTION ".
05940 03 FILLER PIC X(37) VALUE
05950 "TABLE OUT OF ROOM, PROGRAM TERMINATED".
05960 *
05970 01 DIRECTIVE-FATAL-WDC-TAB-2MANY.
05980 03 FILLER PIC X(39) VALUE
05990 " ***** FATAL ERROR, WDC-NAME TABLE ".
06000 03 FILLER PIC X(31) VALUE
06010 "OUT OF ROOM, PROGRAM TERMINATED".
06020 *
06030 01 DIRECTIVE-HEADER-0.
06040 03 FILLER PIC X(29) VALUE SPACE.
06050 03 FILLER PIC X(29) VALUE
06060 "CDEP STANDARD H.I.S. VERSION ".
06070 03 D-H-O-VERSION PIC X(10).
06080 *
06090 01 DIRECTIVE-HEADER.
06100 03 FILLER PIC X(10) VALUE SPACE.
06110 03 FILLER PIC X(10) VALUE "REPORT S02".
06120 03 FILLER PIC X(11) VALUE SPACE.
06130 03 FILLER PIC X(28) VALUE
06140 "LOG OF USER-INPUT DIRECTIVES".
06150 03 FILLER PIC X(12) VALUE SPACE.
06160 03 FILLER PIC X(5) VALUE "PAGE ".
06170 03 D-H-PAGE-CNT PIC ZZZ9.

```

LMI MODIFICATIONS UNDERLINED.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

06180 *
06190 01 DIRECTIVE-HEADER-2.
06200 03 FILLER PIC X(23) VALUE SPACE.
06210 03 FILLER PIC X(19) VALUE
06220 "REPORT GROUP TITLE-".
06230 03 D-H-2-TITLE PIC X(25).
06240 *
06250 01 DIRECTIVE-MESSAGE-END.
06260 03 FILLER PIC X(29) VALUE
06270 "***** END C. PROCESSING ".
06280 03 D-M-E-NUM PIC XXXX VALUE "XXXX".
06290 03 FILLER PIC X(16) VALUE
06300 " USER-DIRECTIVES".
06310 *
06320 01 DIRECTIVE-WARNING-2MANY-DIR.
06330 03 FILLER PIC X(48) VALUE
06340 " *** WARNING, YOU INPUT TOO MANY DIRECTIVES ".
06350 03 FILLER PIC X(32) VALUE
06360 "TO THIS TABLE, DIRECTIVE IGNORED".
06370 *
06380 01 DIRECTIVE-WARNING-2MANY-TOK.
06390 03 FILLER PIC X(49) VALUE
06400 "1....*** WARNING, TOO MANY VALUES FOR DIRECTIVE, ".
06410 03 FILLER PIC X(18) VALUE
06420 "VALUES BEYOND COL ".
06430 03 D-W-2M-T-NUM PIC XX VALUE "XX".
06440 03 FILLER PIC X(8) VALUE " IGNORED".
06450 *
06460 01 DIRECTIVE-WARNING-AFSC-2MANY.
06470 03 FILLER PIC X(50) VALUE
06480 " *** WARNING, TOO MANY AFSC'S INPUT TO TABLE, ".
06490 03 D-W-A-2-AFSC PIC X(5) VALUE "XXXXX".
06500 03 FILLER PIC X(12) VALUE " SUBSTITUTED".
06510 *
06520 01 DIRECTIVE-WARNING-DUP-WCTR.
06530 03 FILLER PIC X(47) VALUE
06540 " *** WARNING, WORKCENTER ALREADY IN TABLE, ".
06550 03 FILLER PIC X(17) VALUE
06560 "DIRECTIVE IGNORED".
06570 *
06580 01 DIRECTIVE-WARNING-DUP-WDC-NAME.
06590 03 FILLER PIC X(43) VALUE
06600 " *** WARNING, WDC NAME ALREADY EXISTS, ".
06610 03 FILLER PIC X(28) VALUE
06620 "PREVIOUS DEFINITION WAS USED".
06630 *
06640 01 DIRECTIVE-WARNING-KEYWORD.
06650 03 FILLER PIC X(42) VALUE
06660 "1....*** WARNING, KEYWORD STARTING IN COL ".
06670 03 D-W-K-NUM PIC XX VALUE "XX".
06680 03 FILLER PIC X(32) VALUE
06690 " UNRECOGNIZED, DIRECTIVE IGNORED".
06700 *

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

06710 01 DIRECTIVE-WARNING-NON-NUMERIC.
06720 03 FILLER PIC X(47) VALUE
06730 "1....*** WARNING, NON-NUMERIC CHAR BETWEEN COL ".
06740 03 D-W-N-N-NUM-1 PIC XX VALUE "XX".
06750 03 FILLER PIC X(5) VALUE " AND ".
06760 03 D-W-N-N-NUM-2 PIC XX VALUE "XX".
06770 03 FILLER PIC X(19) VALUE
06780 ", VALUE SET TO ZERO".
06790 *
06800 01 DIRECTIVE-WARNING-NO-SRD.
06810 03 FILLER PIC X(47) VALUE
06820 " *** WARNING, NO SRD DIRECTIVE FOR REPORT, ".
06830 03 FILLER PIC X(15) VALUE
06840 "NO DATA FITS IT".
06850 *
06860 01 DIRECTIVE-WARNING-NO-WDCS.
06870 03 FILLER PIC X(47) VALUE
06880 " *** WARNING, NO WDC DIRECTIVE FOR REPORT, ".
06890 03 FILLER PIC X(15) VALUE
06900 "NO DATA FITS IT".
06910 *
06920 01 DIRECTIVE-WARNING-SIZE.
06930 03 FILLER PIC X(40) VALUE
06940 "1....*** WARNING, FIELD STARTING IN COL ".
06950 03 D-W-S-NUM-1 PIC XX VALUE "XX".
06960 03 FILLER PIC X(16) VALUE
06970 " TOO LARGE, COL ".
06980 03 D-W-S-NUM-2 PIC XX VALUE "XX".
06990 03 FILLER PIC X(6) VALUE " THRU ".
07000 03 D-W-S-NUM-3 PIC XX VALUE "XX".
07010 03 FILLER PIC X(11) VALUE " IS IGNORED".
07020 *
07030 01 DIRECTIVE-WARNING-SIZE2.
07040 03 FILLER PIC X(40) VALUE
07050 "1....*** WARNING, VALUE STARTING IN COL ".
07060 03 D-W-S2-NUM PIC XX VALUE "XX".
07070 03 FILLER PIC X(33) VALUE
07080 " IS WRONG SIZE, DIRECTIVE IGNORED".
07090 *
07100 01 DIRECTIVE-WARNING-SIZE3.
07110 03 FILLER PIC X(33) VALUE
07120 "1....*** WARNING, VALUE FROM COL ".
07130 03 D-W-S3-NUM-1 PIC XX VALUE "XX".
07140 03 FILLER PIC X(6) VALUE " THRU ".
07150 03 D-W-S3-NUM-2 PIC XX VALUE "XX".
07160 03 FILLER PIC X(29) VALUE
07170 " IS WRONG SIZE, VALUE IGNORED".
07180 *
07190 01 DIRECTIVE-WARNING-SORTIE-FLHR.
07200 03 FILLER PIC X(44) VALUE
07210 " *** WARNING, PRIOR SORTIE/FLYING-HOURS ".
07220 03 FILLER PIC X(36) VALUE
07230 "DIRECTIVE ACCEPTED, THIS ONE IGNORED".

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

07240 *
07250 01 DIRECTIVE-WARNING-SRD.
07260 03 FILLER PIC X(31) VALUE
07270 "1....*** WARNING, SRD FROM COL ".
07280 03 D-W-SRD-NUM-1 PIC XX VALUE "XX".
07290 03 FILLER PIC X(6) VALUE " THRU ".
07300 03 D-W-SRD-NUM-2 PIC XX VALUE "XX".
07310 03 FILLER PIC X(37) VALUE
07320 " HAS INCONSISTENT PREFIX, SRD IGNORED".
07330 *
07340 01 DIRECTIVE-WARNING-SRD-EMPTY.
07350 03 FILLER PIC X(50) VALUE
07360 " *** WARNING, SRD DIRECTIVE ABOVE CONTAINS NO ".
07370 03 FILLER PIC X(30) VALUE
07380 "SRD'S, NO DATA WILL FIT REPORT".
07390 *
07400 01 DIRECTIVE-WARNING-STARS.
07410 03 FILLER PIC X(5) VALUE SPACE.
07420 03 FILLER PIC X(75) VALUE ALL "*".
07430 *
07440 01 DIRECTIVE-WARNING-WDC-EMPTY.
07450 03 FILLER PIC X(50) VALUE
07460 " *** WARNING, WDC DIRECTIVE ABOVE CONTAINS NO ".
07470 03 FILLER PIC X(30) VALUE
07480 "WDC'S, NO DATA WILL FIT REPORT".
07490
07500 * *****
07510 * * INPUT DIRECTIVE KEYWORDS AND OTHER ASSOCIATED CONSTANTS
07520 *
07530 01 DIR-KEY-3-DIGIT-WUC PIC XXXX VALUE "3DIG".
07540 01 DIR-KEY-ASSIGNMENT-CODE PIC XXXX VALUE "ASSI".
07550 01 DIR-KEY-COMPONENT-POS PIC XXXX VALUE "COMP".
07560 01 DIR-KEY-DETAIL PIC XXXX VALUE "DETA".
07570 01 DIR-KEY-END PIC XXX VALUE "END".
07580 01 DIR-KEY-FLYING-HRS PIC XXXX VALUE "FLYI".
07590 01 DIR-KEY-LABOR-CATEGORY PIC XXXX VALUE "CATE".
07600 01 DIR-KEY-MAJOR-COMMAND PIC XXXX VALUE "ACTI".
07610 * * MAJOR COMAND REFERENCES ARE BEING CHANGED TO
07620 * * ACTIVITY-ID REFERENCES
07630 01 DIR-KEY-MDS PIC XXX VALUE "MDS".
07640 01 DIR-KEY-NAME PIC XXXX VALUE "NAME".
07650 01 DIR-KEY-QUEEN-BEE PIC XXXX VALUE "QUEE".
07660 01 DIR-KEY-REPORT PIC XXXX VALUE "REPO".
07670 01 DIR-KEY-SORTIES PIC XXXX VALUE "SORT".
07680 01 DIR-KEY-SRD PIC XXX VALUE "SRD".
07690 01 DIR-KEY-SUPPRESS PIC XXXX VALUE "SUPP".
07700 01 DIR-KEY-TITLE PIC XXXX VALUE "TITL".
07710 01 DIR-KEY-TYPE-MAINT PIC XXXX VALUE "TYPE".
07720 01 DIR-KEY-WDC PIC XXX VALUE "WDC".
07730 01 DIR-KEY-WORKCENTER PIC XXXX VALUE "WORI".
07740 *
07750 01 DEFAULT-TYPE-MAINT PIC X(27) VALUE
07760 "A,B,C,D,E,H,J,K,L,P,S,T,W,Z".

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

07770 *
07780 * *****
07790 * * THE INPUT DIRECTIVE WORK AREA AND ITS IMMEDIATE SUPPORT
07800 * * WORK AREAS
07810 *
07820 01 DIRECTIVE-STUFF.
07830 03 DIR-CHECK PIC X.
07840 03 DIR-SPACER PIC X.
07850 03 DIR-SPACE-REPLACE PIC X VALUE "*".
07860 03 DIR-ERR-SS1 PIC 9(6) COMP-1.
07870 03 DIR-ERR-SS2 PIC 9(6) COMP-1.
07880 03 DIR-ERR-SW PIC 9(6) COMP-1.
07890 03 DIR-SS PIC 9(6) COMP-1.
07900 03 DIR-TOK-SS PIC 9(6) COMP-1.
07910 03 DIR-MAX PIC 9(6) COMP-1 VALUE 80.
07920 03 DIR-NAME-MAX PIC 9(6) COMP-1 VALUE 15.
07930 03 DIR-NAME-MAX-HOLD PIC 9(6) COMP-1.
07940 03 DIR-NAME-SW PIC 9(6) COMP-1 VALUE 0.
07950 03 DIR-TITLE-MAX PIC 9(6) VALUE 25.
07960 03 DIRECTIVE.
07970 05 DIR PIC X OCCURS 80.
07980 01 DIRECTIVE-STUFF2.
07990 03 DIR-HOLD-SRD-PREFIX PIC X.
08000 03 DIR-SS-HOLD PIC 9(6) COMP-1.
08010 03 DIRECTIVE-HOLD PIC X(80).
08020 01 DIRECTIVE-STUFF3.
08030 03 DIR-STACK-MAX PIC 9(6) COMP-1 VALUE 5.
08040 03 DIR-STACK-SS PIC 9(6) COMP-1 VALUE 0.
08050 03 DIR-STACKED-DIRECTIVE PIC X(80) OCCURS 5.
08060 *
08070 *
08080 * *****
08090 * * GENERAL I/O VARIABLES, COUNTERS, CONSTANTS, ETC.
08100 *
08110 01 CDEP-VERSION PIC X(10) VALUE "1.1".
08120 *
08130 *
08140 01 LINE-CNT PIC 9(6) COMP-1.
08150 01 MAX-LINES-PER-PAGE PIC 9(6) COMP-1 VALUE 55.
08160 01 PAGE-CNT PIC 9(6) COMP-1.
08170 *
08180 01 ABDADA-AT-END PIC 9(6) COMP-1 VALUE 1.
08190 *
08200 01 DIR-AT-E PIC 9(6) COMP-1 VALUE 1.
08210 01 DIR-COUN PIC 9(6) COMP-1 VALUE 0.
08220 *
08230 01 DIRECTIVE-OUT PIC X(80).
08240 01 DIR-LIST-COUNT PIC 9(6) COMP-1 VALUE 0.
08250 01 DIR-LIST-CC PIC 9(6) COMP-1.
08260 01 DIR-LIST-OPEN PIC 9(6) COMP-1 VALUE 1.
08270 *
08280 01 DIR-SUMMARY-COUNT PIC 9(6) COMP-1 VALUE 0.
08290 01 DIR-SUMMARY-CC PIC 9(6) COMP-1.

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

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08300 01 DIRECTIVE-SUMMARY-OUT      PIC X(80).
08310 01 DIR-SUM-SEL-2-CNT          PIC 9(6) COMP-1.
08320 01 DIR-SUM-SEL-2-LIMIT        PIC 9(6) COMP-1 VALUE 54.
08330 01 DIR-SUM-SEL-2-LINE-CNT     PIC 9(6) COMP-1.
08340 *
08350 01 S00-CC                     PIC 9(6) COMP-1.
08360 01 S00-CNT                    PIC 9(6) COMP-1 VALUE 0.
08370 01 S00-OUT                    PIC X(80).
08380 01 S00-TABLE.
08390 03 S00-SS                     PIC 9(6) COMP-1.
08400 03 S00-MAX                    PIC 9(6) COMP-1 VALUE 27.
08410 * * KEEP THE VALUE OF S00-MAX (AND THE VALUES OF THE
08420 * * FOLLOWING OFFSET SUBSCRIPTS) IN LINE WITH THE
08430 * * TABLE ENTRY LOCATIONS - SEE S00-TAB-ENTRY BELOW.
08440 03 S00-REJECT-OFFSET           PIC 9(6) COMP-1 VALUE 2.
08450 03 S00-SA-OFFSET              PIC 9(6) COMP-1 VALUE 18.
08460 03 S00-SB-OFFSET              PIC 9(6) COMP-1 VALUE 19.
08470 03 S00-SC-OFFSET              PIC 9(6) COMP-1 VALUE 20.
08480 03 S00-SD-OFFSET              PIC 9(6) COMP-1 VALUE 21.
08490 03 S00-SE-OFFSET              PIC 9(6) COMP-1 VALUE 22.
08500 03 S00-SF-OFFSET              PIC 9(6) COMP-1 VALUE 23.
08510 03 S00-SG-OFFSET              PIC 9(6) COMP-1 VALUE 24.
08520 03 S00-SH-OFFSET              PIC 9(6) COMP-1 VALUE 25.
08530 03 S00-COMBI-04-OFFSET         PIC 9(6) COMP-1 VALUE 26.
08540 03 S00-COMBI-OFFSET            PIC 9(6) COMP-1 VALUE 27.
08550 03 S00-TAB-ENTRY-VALUES.
08560 * * EACH OF THE FILLER GROUPS BELOW REPRESENTS
08570 * * AN ENTRY IN THE S00-TABLE. EACH ENTRY IS IN
08580 * * A POSITION RELATIVE TO ITS RESPECTIVE
08590 * * S00-XX-OFFSET SUBSCRIPT APPEARING ABOVE.
08600 *
08610 * * THIS IS OCC # 1 FOR INPUTS
08620 05 FILLER                      PIC X(38) VALUE
08630 " INPUT FROM BASE-LEVEL HISTORY FILE".
08640 05 FILLER                      PIC 9(7) COMP-1.
08650 05 FILLER                      PIC 9(8) COMP-1.
08660 * * THIS IS OCC # 2 FOR REJECT REASON CODE 0
08670 05 FILLER                      PIC X(38) VALUE
08680 " 0-DUPLICATES ITS PRECEDING RECORD".
08690 05 FILLER                      PIC 9(7) COMP-1.
08700 05 FILLER                      PIC 9(8) COMP-1.
08710 * * THIS IS OCC # 3 FOR REJECT REASON CODE 1
08720 05 FILLER                      PIC X(38) VALUE
08730 " 1-HAS UNWANTED WORKCENTER (INDIRECT)".
08740 05 FILLER                      PIC 9(7) COMP-1.
08750 05 FILLER                      PIC 9(8) COMP-1.
08760 * * THIS IS OCC # 4 FOR REJECT REASON CODE 2
08770 05 FILLER                      PIC X(38) VALUE
08780 " 2-HAS UNWANTED SRD".
08790 05 FILLER                      PIC 9(7) COMP-1.
08800 05 FILLER                      PIC 9(8) COMP-1.
08810 * * THIS IS OCC # 5 FOR REJECT REASON CODE 3
08820 05 FILLER                      PIC X(38) VALUE

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

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08830          " 3-HAS UNWANTED CATEGORY OF LABOR".
08840          05 FILLER PIC 9(7) COMP-1.
08850          05 FILLER PIC 9(8) COMP-1.
08860 *        * THIS IS OCC # 6 FOR REJECT REASON CODE 4
08870          05 FILLER PIC X(38) VALUE
08880          " 4-HAS UNWANTED ACFT ASSIGNMENT CODE".
08890          05 FILLER PIC 9(7) COMP-1.
08900          05 FILLER PIC 9(8) COMP-1.
08910 *        * THIS IS OCC # 7 FOR REJECT REASON CODE 5
08920          05 FILLER PIC X(38) VALUE
08930          " 5-HAS UNWANTED ACTIVITY/CMD COMMAND ID".
08940          05 FILLER PIC 9(7) COMP-1.
08950          05 FILLER PIC 9(8) COMP-1.
08960 *        * THIS IS OCC # 8 FOR REJECT REASON CODE 6
08970          05 FILLER PIC X(38) VALUE
08980          " 6-HAS AN MDC RECORD-ID OF 2 OR 5".
08990          05 FILLER PIC 9(7) COMP-1.
09000          05 FILLER PIC 9(8) COMP-1.
09010 *        * THIS IS OCC # 9 FOR REJECT REASON CODE 7
09020          05 FILLER PIC X(38) VALUE
09030          " 7-HAS UNWANTED WORKCENTER (DIRECT)".
09040          05 FILLER PIC 9(7) COMP-1.
09050          05 FILLER PIC 9(8) COMP-1.
09060 *        * THIS IS OCC # 10 FOR REJECT REASON CODE 8
09070          05 FILLER PIC X(38) VALUE
09080          " 8-HAS UNWANTED TYPE-MAINTENANCE CODE".
09090          05 FILLER PIC 9(7) COMP-1.
09100          05 FILLER PIC 9(8) COMP-1.
09110 *        * THIS IS OCC # 11 FOR REJECT REASON CODE 9
09120          05 FILLER PIC X(38) VALUE
09130          " 9-HAS UNWANTED QUEEN BEE INDICATOR".
09140          05 FILLER PIC 9(7) COMP-1.
09150          05 FILLER PIC 9(8) COMP-1.
09160 *        * THIS IS OCC # 12 FOR REJECT REASON CODE 10
09170          05 FILLER PIC X(38) VALUE
09180          " 10-HAS UNWANTED WHEN-DISCOVERED CODE".
09190          05 FILLER PIC 9(7) COMP-1.
09200          05 FILLER PIC 9(8) COMP-1.
09210 *        * THIS IS OCC # 13 FOR REJECT REASON CODE 11
09220          05 FILLER PIC X(38) VALUE
09230          " 11-HAS UNWANTED 3 DIGIT WORKUNIT CODE".
09240          05 FILLER PIC 9(7) COMP-1.
09250          05 FILLER PIC 9(8) COMP-1.
09260 *        * THIS IS OCC # 14 FOR REJECT REASON CODE 12
09270          05 FILLER PIC X(38) VALUE
09280          " 12-HAS AN MDC ACTION TAKEN CODE = E".
09290          05 FILLER PIC 9(7) COMP-1.
09300          05 FILLER PIC 9(8) COMP-1.
09310 *        * THIS IS OCC # 15 FOR REJECT REASON CODE 13
09320          05 FILLER PIC X(38) VALUE
09330          " 13-DOESN'T FIT A SPECIFIED COMB. RPT.".
09340          05 FILLER PIC 9(7) COMP-1.
09350          05 FILLER PIC 9(8) COMP-1.

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

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09360 *      * THIS IS OCC # 16 FOR REJECT REASON CODE 14
09370          05 FILLER                      PIC X(38) VALUE
09380          " *14-HAS MAN-HOURS = ZERO".
09390          05 FILLER                      PIC 9(7) COMP-1.
09400          05 FILLER                      PIC 9(8) COMP-1.
09410 *      * THIS IS OCC # 17 FOR REJECT REASON CODE 15
09420          05 FILLER                      PIC X(38) VALUE
09430          " 15-CONTAINS UNRECOGNIZABLE DATA".
09440          05 FILLER                      PIC 9(7) COMP-1.
09450          05 FILLER                      PIC 9(8) COMP-1.
09460 *      * THIS IS OCC # 18 FOR SEL RPT SA
09470          05 FILLER                      PIC X( 8) VALUE
09480          " SA INDIRECT MAN-HOURS REPORTED".
09490          05 FILLER                      PIC 9(7) COMP-1.
09500          05 FILLER                      PIC 9(8) COMP-1.
09510 *      * THIS IS OCC # 19 FOR SEL RPT SB
09520          05 FILLER                      PIC X(38) VALUE
09530          " *SB WORKCTRS NOT FOUND IN DIRECTIVES".
09540          05 FILLER                      PIC 9(7) COMP-1.
09550          05 FILLER                      PIC 9(8) COMP-1.
09560 *      * THIS IS OCC # 20 FOR SEL RPT SC
09570          05 FILLER                      PIC X(38) VALUE
09580          " SC SERIALY CNTRLED REMOVE/INSTALL".
09590          05 FILLER                      PIC 9(7) COMP-1.
09600          05 FILLER                      PIC 9(8) COMP-1.
09610 *      * THIS IS OCC # 21 FOR SEL RPT SD
09620          05 FILLER                      PIC X(38) VALUE
09630          " SD SELECTED MAN-HOURS REPORTED".
09640          05 FILLER                      PIC 9(7) COMP-1.
09650          05 FILLER                      PIC 9(8) COMP-1.
09660 *      * THIS IS OCC # 22 FOR SEL RPT SE
09670          05 FILLER                      PIC X(38) VALUE
09680          " *SE SCHEDULED INSPECTIONS REPORTED".
09690          05 FILLER                      PIC 9(7) COMP-1.
09700          05 FILLER                      PIC 9(8) COMP-1.
09710 *      * THIS IS OCC # 23 FOR SEL RPT SF
09720          05 FILLER                      PIC X(38) VALUE
09730          " *SF SPECIAL INSPECTION REPORTED".
09740          05 FILLER                      PIC 9(7) COMP-1.
09750          05 FILLER                      PIC 9(8) COMP-1.
09760 *      * THIS IS OCC # 24 FOR SEL RPT SG
09770          05 FILLER                      PIC X(38) VALUE
09780          " SG TCTO WORK REPORTED".
09790          05 FILLER                      PIC 9(7) COMP-1.
09800          05 FILLER                      PIC 9(8) COMP-1.
09810 *      * THIS IS OCC # 25 FLR SEL RPT SH
09820          05 FILLER                      PIC X(38) VALUE
09830          " SH CANNIBALIZATION WORK REPORTED".
09840          05 FILLER                      PIC 9(7) COMP-1.
09850          05 FILLER                      PIC 9(8) COMP-1.
09860 *      * THIS IS OCC # 26 FOR COMB WUCS 04XXX
09870          05 FILLER                      PIC X(38) VALUE
09880          " *WUC: 04XXX (SPEC. INSPECTION DATA)".

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LMI MODIFICATION IS UNDERLINED.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



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09890          05 FILLER          PIC 9(7) COMP-1.
09900          05 FILLER          PIC 9(8) COMP-1.
09910 *      * THIS IS OCC # 27 FOR COMB WUCS 11000+
09920          05 FILLER          PIC X(38) VALUE
09930          "WUC: 11000+ (OTHER COMB. REPT DATA)".
09940          05 FILLER          PIC 9(7) COMP-1.
09950          05 FILLER          PIC 9(8) COMP-1.
09960      03 S00-TAB-ENTRIES REDEFINES S00-TAB-ENTRY-VALUES.
09970          04 S00-TAB-ENTRY OCCURS 27.
09980 *      * NOTE: THE # OF OCCURS (JUST ABOVE) MUST MATCH THE
09990 *      * VALUE IN S00-MAX (AT THE BEGINNING OF THIS 01 LEVEL)
10000          05 S00-TAB-COUNT-FLAG PIC X.
10010          05 S00-TAB-TITLE     PIC X(37).
10020          05 S00-COUNT         PIC 9(7) COMP-1.
10030          05 S00-MANHRS        PIC 9(8) COMP-1.
10040 *
10050 01 SORTIE-FLY-HRS-COUNT      PIC 9(7) COMP-1 VALUE 0.
10060 01 SORTIE-FLY-HRS-SW        PIC 9(6) COMP-1 VALUE 0.
10070 *
10080 01 LRU-OFF-EQUIP-ID          PIC XX VALUE "C3".
10090 01 ON-EQUIP-FLAG             PIC X VALUE "1".
10100 01 OFF-EQUIP-FLAG            PIC X VALUE "3".
10110 01 FLY-HRS-TITLE             PIC X(7) VALUE "FLY-HRS".
10120 01 SORTIE-TITLE              PIC X(7) VALUE "SORTIES".
10130 01 REPORT-GROUP-TITLE        PIC X(25) VALUE
10140      "NOT DEFINED".
10150 *
10160 01 DISPLAY-BANNER-1           PIC X VALUE "*".
10170 01 DISPLAY-BANNER-2           PIC X(20) VALUE
10180      "*****".
10190 01 DISPLAY-BANNER-3.
10200      03 FILLER                PIC X(10) VALUE "*"
10210      03 FILLER                PIC X(29) VALUE
10220          "CDEP STANDARD H.I.S. VERSION ".
10230      03 DB3-VERSION            PIC X(10).
10240 01 DISPLAY-BANNER-4.
10250      03 FILLER                PIC X(39) VALUE
10260          "*" SELECTION PROCESSING MESSAGES".
10270 01 GARBAGE-WARNING            PIC X(30) VALUE
10280      "*** UNUSEABLE ABD6DA RECORD - ".
10290 01 GARBAGE-FLAG               PIC 9(6) COMP-1 VALUE 0.
10300 01 IGNORE-REJECTS-FLAG        PIC 9(6) COMP-1 VALUE 1.
10310 *
10320 *      *****
10330 *      * REPORT-ID TABLE AND RELATED STUFF
10340 *
10350 01 REPORT-ID-TABLE-STUFF.
10360      03 RPT-ID-MAX              PIC 9(6) COMP-1 VALUE 13.
10370      03 RPT-ID-SS              PIC 9(6) COMP-1.
10380      03 RPT-ID-CO-SRD-CNT      PIC 9(6) COMP-1 VALUE 0.
10390      03 RPT-ID-SA-SS           PIC 9(6) COMP-1 VALUE 1.
10400      03 RPT-ID-SB-SS           PIC 9(6) COMP-1 VALUE 2.
10410      03 RPT-ID-SC-SS           PIC 9(6) COMP-1 VALUE 3.

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LMI MODIFICATION IS UNDERLINED.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

10420	03	RPT-ID-SD-SS	PIC 9(6) COMP-1 VALUE 4.
10430	03	RPT-ID-SE-SS	PIC 9(6) COMP-1 VALUE 5.
10440	03	RPT-ID-SF-SS	PIC 9(6) COMP-1 VALUE 6.
10450	03	RPT-ID-SG-SS	PIC 9(6) COMP-1 VALUE 7.
10460	03	RPT-ID-SH-SS	PIC 9(6) COMP-1 VALUE 8.
10470	03	RPT-ID-CO-SS	PIC 9(6) COMP-1 VALUE 9.
10480	03	RPT-ID-C1-SS	PIC 9(6) COMP-1 VALUE 10.
10490	03	RPT-ID-C2-SS	PIC 9(6) COMP-1 VALUE 11.
10500	03	RPT-ID-C3-SS	PIC 9(6) COMP-1 VALUE 12.
10510	03	RPT-ID-C4-SS	PIC 9(6) COMP-1 VALUE 13.
10520	03	RPT-ID-OFF-EQ-SS	PIC 9(6) COMP-1 VALUE 13.
10530	03	RPT-ID-TABLE.	
10540 *	*	THIS IS OCCURRENCE NO. 1 (FOR REPORT-ID SA)	
10550	05	FILLER	PIC XX VALUE "SA".
10560	05	FILLER	PIC 9(6) COMP-1 VALUE 1.
10570	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10580 *	*	THIS IS OCCURRENCE NO. 2 (FOR REPORT-ID SB)	
10590	05	FILLER	PIC XX VALUE "SB".
10600	05	FILLER	PIC 9(6) COMP-1 VALUE 1.
10610	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10620 *	*	THIS IS OCCURRENCE NO. 3 (FOR REPORT-ID SC)	
10630	05	FILLER	PIC XX VALUE "SC".
10640	05	FILLER	PIC 9(6) COMP-1 VALUE 1.
10650	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10660 *	*	THIS IS OCCURRENCE NO. 4 (FOR REPORT-ID SD)	
10670	05	FILLER	PIC XX VALUE "SD".
10680	05	FILLER	PIC 9(6) COMP-1 VALUE 2.
10690	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10700 *	*	THIS IS OCCURRENCE NO. 5 (FOR REPORT-ID SE)	
10710	05	FILLER	PIC XX VALUE "SE".
10720	05	FILLER	PIC 9(6) COMP-1 VALUE 2.
10730	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10740 *	*	THIS IS OCCURRENCE NO. 6 (FOR REPORT-ID SF)	
10750	05	FILLER	PIC XX VALUE "SF".
10760	05	FILLER	PIC 9(6) COMP-1 VALUE 2.
10770	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10780 *	*	THIS IS OCCURRENCE NO. 7 (FOR REPORT-ID SG)	
10790	05	FILLER	PIC XX VALUE "SG".
10800	05	FILLER	PIC 9(6) COMP-1 VALUE 2.
10810	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10820 *	*	THIS IS OCCURRENCE NO. 8 (FOR REPORT-ID SH)	
10830	05	FILLER	PIC XX VALUE "SH".
10840	05	FILLER	PIC 9(6) COMP-1 VALUE 2.
10850	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10860 *	*	THIS IS OCCURRENCE NO. 9 (FOR REPORT-ID CO)	
10870	05	FILLER	PIC XX VALUE "CO".
10880	05	FILLER	PIC 9(6) COMP-1 VALUE 5.
10890	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10900 *	*	THIS IS OCCURRENCE NO. 10 (FOR REPORT-ID C1)	
10910	05	FILLER	PIC XX VALUE "C1".
10920	05	FILLER	PIC 9(6) COMP-1 VALUE 3.
10930	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
10940 *	*	THIS IS OCCURRENCE NO. 11 (FOR REPORT-ID C2)	

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

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10950      05 FILLER PIC XX VALUE "C2".
10960      05 FILLER PIC 9(6) COMP-1 VALUE 3.
10970      05 FILLER PIC 9(6) COMP-1 VALUE 0.
10980 *      * THIS IS OCCURRENCE NO. 12 (FOR REPORT-ID C3)
10990      05 FILLER PIC XX VALUE "C3".
11000      05 FILLER PIC 9(6) COMP-1 VALUE 4.
11010      05 FILLER PIC 9(6) COMP-1 VALUE 0.
11020 *      * THIS IS OCCURRENCE NO. 13 (FOR REPORT-ID C4)
11030      05 FILLER PIC XX VALUE "C4".
11040      05 FILLER PIC 9(6) COMP-1 VALUE 4.
11050      05 FILLER PIC 9(6) COMP-1 VALUE 0.
11060      03 RIT1 REDEFINES RPT-ID-TABLE.
11070      05 RIT-ENTRY OCCURS 13.
11080      07 RPT-ID.
11090      09 FILLER PIC X.
11100      09 RPT-ID-2 PIC X.
11110      07 RPT-ID-REPORT-CLASS PIC 9(6) COMP-1.
11120      07 RPT-ID-PRINT-CLASS PIC 9(6) COMP-1.
11130 *      * RPT-ID-PRINT-CLASS APPLIES ONLY TO RPT-ID'S SA THRU
11140 *      * SH ONLY (SEE BELOW)
11150      03 RIT2 REDEFINES RIT1.
11160      05 RIT2-ENTRY OCCURS 13.
11170      07 FILLER PIC XX.
11180      07 FILLER PIC 9(6) COMP-1.
11190      07 RPT-ID-CNT PIC 9(6) COMP-1.
11200 *      * RPT-ID-CNT APPLIES ONLY TO RPT-ID'S CO THRU
11210 *      * C4 (SEE ABOVE)
11220 *
11230 * *****
11240 * * WDC NAME TABLE AND SUPPORT STUFF
11250 *
11260 01 WDC-NAME-TABLE-STUFF.
11270      03 WDC-NO-NAME PIC X(11) VALUE "***NO NAME**".
11280      03 WDC-NAME-CO-RPT PIC X(15) VALUE
11290      "SPEC INSPECTION".
11300      03 WDC-NAME-CO-CODE PIC X(5) VALUE "BLANK".
11310      03 WDC-NAME-SS PIC 9(6) COMP-1.
11320      03 WDC-NAME-TOP PIC 9(6) COMP-1 VALUE 0.
11330      03 WDC-NAME-MAX PIC 9(6) COMP-1 VALUE 10.
11340      03 WDC-NAME-TABLE.
11350 *      * THIS IS OCCURRENCE NO. 1
11360      05 FILLER PIC XXXX VALUE SPACE.
11370      05 FILLER PIC X(15) VALUE SPACE.
11380      05 FILLER PIC X(60) VALUE SPACE.
11390      05 FILLER PIC 9(6) COMP-1 VALUE 0.
11400 *      * THIS IS OCCURRENCE NO. 2
11410      05 FILLER PIC XXXX VALUE SPACE.
11420      05 FILLER PIC X(15) VALUE SPACE.
11430      05 FILLER PIC X(60) VALUE SPACE.
11440      05 FILLER PIC 9(6) COMP-1 VALUE 0.
11450 *      * THIS IS OCCURRENCE NO. 3
11460      05 FILLER PIC XXXX VALUE SPACE.
11470      05 FILLER PIC X(15) VALUE SPACE.

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

11480	05	FILLER	PIC X(60) VALUE SPACE.
11490	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11500 *	* THIS IS OCCURRENCE NO. 4		
11510	05	FILLER	PIC XXXX VALUE SPACE.
11520	05	FILLER	PIC X(15) VALUE SPACE.
11530	05	FILLER	PIC X(60) VALUE SPACE.
11540	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11550 *	* THIS IS OCCURRENCE NO. 5		
11560	05	FILLER	PIC XXXX VALUE SPACE.
11570	05	FILLER	PIC X(15) VALUE SPACE.
11580	05	FILLER	PIC X(60) VALUE SPACE.
11590	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11600 *	* THIS IS OCCURRENCE NO. 6		
11610	05	FILLER	PIC XXXX VALUE SPACE.
11620	05	FILLER	PIC X(15) VALUE SPACE.
11630	05	FILLER	PIC X(60) VALUE SPACE.
11640	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11650 *	* THIS IS OCCURRENCE NO. 7		
11660	05	FILLER	PIC XXXX VALUE SPACE.
11670	05	FILLER	PIC X(15) VALUE SPACE.
11680	05	FILLER	PIC X(60) VALUE SPACE.
11690	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11700 *	* THIS IS OCCURRENCE NO. 8		
11710	05	FILLER	PIC XXXX VALUE SPACE.
11720	05	FILLER	PIC X(15) VALUE SPACE.
11730	05	FILLER	PIC X(60) VALUE SPACE.
11740	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11750 *	* THIS IS OCCURRENCE NO. 9		
11760	05	FILLER	PIC XXXX VALUE SPACE.
11770	05	FILLER	PIC X(15) VALUE SPACE.
11780	05	FILLER	PIC X(60) VALUE SPACE.
11790	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11800 *	* THIS IS OCCURRENCE NO. 10		
11810	05	FILLER	PIC XXXX VALUE SPACE.
11820	05	FILLER	PIC X(15) VALUE SPACE.
11830	05	FILLER	PIC X(60) VALUE SPACE.
11840	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
11850	03	WNTR REDEFINES WDC-NAME-TABLE.	
11860	05	WNTR-ENTRY	OCCURS 10.
11870	07	WDC-NAME-ID	PIC XXXX.
11880	07	WDC-NAME	PIC X(15).
11890	07	WDC-NAME-WDCS	PIC X(60).
11900 *	*	THE ABOVE ENTRY IS FOR DEFAULT-VALUED WDC NAMES.	
11910 *	*	IF THEY ARE EVER USED	
11920	07	WDC-NAME-START	PIC 9(6) COMP-1.
11930 *			
11940 *			
11950 *	*****		
11960 *	* INDIRECT WORK WUC TABLE STUFF		
11970 *			
11980 01	IND-WUC-STUFF.		
11990	05	IND-WUC-MAX	PIC 9(6) COMP-1 VALUE 5.
12000	03	IND-WUC-SS	PIC 9(6) COMP-1.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

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12010      03  IND-WUC-TABLE.
12020 *    * THIS IS OCCURRENCE NO. 1
12030          05  FILLER          PIC XXX VALUE "ALT".
12040 *    * THIS IS OCCURRENCE NO. 2
12050          05  FILLER          PIC XXX VALUE "CMP".
12060 *    * THIS IS OCCURRENCE NO. 3
12070          05  FILLER          PIC XXX VALUE "DTL".
12080 *    * THIS IS OCCURRENCE NO. 4
12090          05  FILLER          PIC XXX VALUE "LVE".
12100 *    * THIS IS OCCURRENCE NO. 5
12110          05  FILLER          PIC XXX VALUE "TRN".
12120      03  INDWR REDEFINES IND-WUC-TABLE.
12130          05  IND-WUC-ENTRY      OCCURS 5.
12140          07  IND-WUC-1-3      PIC XXX.
12150 *
12160 *
12170 * *****
12180 * * LCOM ACTION TAKEN CODE INDEX CROSS REF TABLES AND RELATED
12190 * * STUFF
12200 01  ATC-FROM-6DA-DATA.
12210      03  SPEC-INSP-LATC-INDEX    PIC 9(6) COMP-1 VALUE 1.
12220      03  ATC-TAB-SS              PIC 9(6) COMP-1.
12230      03  ATC-TAB-MAX             PIC 9(6) COMP-1 VALUE 29.
12240      03  ATC-2-LATC-DATA.
12250 *    * THIS IS OCCURRENCE NO. 1 (FOR 6DA ATC A)
12260          05  FILLER          PIC X VALUE "A".
12270          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12280          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12290          05  FILLER          PIC 9(6) COMP-1 VALUE 0.
12300          05  FILLER          PIC 9(6) COMP-1 VALUE 22.
12310 *    * THIS IS OCCURRENCE NO. 2 (FOR 6DA ATC B)
12320          05  FILLER          PIC X VALUE "B".
12330          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12340          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12350          05  FILLER          PIC 9(6) COMP-1 VALUE 0.
12360          05  FILLER          PIC 9(6) COMP-1 VALUE 21.
12370 *    * THIS IS OCCURRENCE NO. 3 (FOR 6DA ATC C)
12380          05  FILLER          PIC X VALUE "C".
12390          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12400          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12410          05  FILLER          PIC 9(6) COMP-1 VALUE 0.
12420          05  FILLER          PIC 9(6) COMP-1 VALUE 23.
12430 *    * THIS IS OCCURRENCE NO. 4 (FOR 6DA ATC D)
12440          05  FILLER          PIC X VALUE "D".
12450          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12460          05  FILLER          PIC 9(6) COMP-1 VALUE 100.
12470          05  FILLER          PIC 9(6) COMP-1 VALUE 0.
12480          05  FILLER          PIC 9(6) COMP-1 VALUE 20.
12490 *    * THIS IS OCCURRENCE NO. 5 (FOR 6DA ATC F)
12500          05  FILLER          PIC X VALUE "F".
12510          05  FILLER          PIC 9(6) COMP-1 VALUE 0.
12520          05  FILLER          PIC 9(6) COMP-1 VALUE 5.
12530          05  FILLER          PIC 9(6) COMP-1 VALUE 0.

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

12540	05	FILLER	PIC 9(6) COMP-1 VALUE 22.
12550 *	* THIS IS OCCURRENCE NO. 6 (FOR 6DA ATC G)		
12560	05	FILLER	PIC X VALUE "G".
12570	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12580	05	FILLER	PIC 9(6) COMP-1 VALUE 5.
12590	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12600	05	FILLER	PIC 9(6) COMP-1 VALUE 22.
12610 *	* THIS IS OCCURRENCE NO. 7 (FOR 6DA ATC H)		
12620	05	FILLER	PIC X VALUE "H".
12630	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12640	05	FILLER	PIC 9(6) COMP-1 VALUE 6.
12650	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
12660	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
12670 *	* THIS IS OCCURRENCE NO. 8 (FOR 6DA ATC J)		
12680	05	FILLER	PIC X VALUE "J".
12690	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12700	05	FILLER	PIC 9(6) COMP-1 VALUE 5.
12710	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12720	05	FILLER	PIC 9(6) COMP-1 VALUE 22.
12730 *	* THIS IS OCCURRENCE NO. 9 (FOR 6DA ATC K)		
12740	05	FILLER	PIC X VALUE "K".
12750	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12760	05	FILLER	PIC 9(6) COMP-1 VALUE 5.
12770	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12780	05	FILLER	PIC 9(6) COMP-1 VALUE 22.
12790 *	* THIS IS OCCURRENCE NO. 10 (FOR 6DA ATC L)		
12800	05	FILLER	PIC X VALUE "L".
12810	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12820	05	FILLER	PIC 9(6) COMP-1 VALUE 5.
12830	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12840	05	FILLER	PIC 9(6) COMP-1 VALUE 22.
12850 *	* THIS IS OCCURRENCE NO. 11 (FOR 6DA ATC M)		
12860	05	FILLER	PIC X VALUE "M".
12870	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
12880	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
12890	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12900	05	FILLER	PIC 9(6) COMP-1 VALUE 24.
12910 *	* THIS IS OCCURRENCE NO. 12 (FOR 6DA ATC N)		
12920	05	FILLER	PIC X VALUE "N".
12930	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
12940	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
12950	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
12960	05	FILLER	PIC 9(6) COMP-1 VALUE 24.
12970 *	* THIS IS OCCURRENCE NO. 13 (FOR 6DA ATC P)		
12980	05	FILLER	PIC X VALUE "P".
12990	05	FILLER	PIC 9(6) COMP-1 VALUE 1.
13000	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13010	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13020	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13030 *	* THIS IS OCCURRENCE NO. 14 (FOR 6DA ATC Q)		
13040	05	FILLER	PIC X VALUE "Q".
13050	05	FILLER	PIC 9(6) COMP-1 VALUE 1.
13060	05	FILLER	PIC 9(6) COMP-1 VALUE 100.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

13070	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13080	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13090 *	* THIS IS OCCURRENCE NO. 15 (FOR 6DA ATC R)		
13100	05	FILLER	PIC X VALUE "R".
13110	05	FILLER	PIC 9(6) COMP-1 VALUE 1.
13120	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13130	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13140	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13150 *	* THIS IS OCCURRENCE NO. 16 (FOR 6DA ATC S)		
13160	05	FILLER	PIC X VALUE "S".
13170	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13180	05	FILLER	PIC 9(6) COMP-1 VALUE 7.
13190	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13200	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13210 *	* THIS IS OCCURRENCE NO. 17 (FOR 6DA ATC V)		
13220	05	FILLER	PIC X VALUE "V".
13230	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13240	05	FILLER	PIC 9(6) COMP-1 VALUE 5.
13250	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13260	05	FILLER	PIC 9(6) COMP-1 VALUE 22.
13270 *	* THIS IS OCCURRENCE NO. 18 (FOR 6DA ATC X)		
13280	05	FILLER	PIC X VALUE "X".
13290	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13300	05	FILLER	PIC 9(6) COMP-1 VALUE 1.
13310	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13320	05	FILLER	PIC 9(6) COMP-1 VALUE 22.
13330 *	* THIS IS OCCURRENCE NO. 19 (FOR 6DA ATC Y)		
13340	05	FILLER	PIC X VALUE "Y".
13350	05	FILLER	PIC 9(6) COMP-1 VALUE 7.
13360	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13370	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13380	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13390 *	* THIS IS OCCURRENCE NO. 20 (FOR 6DA ATC Z)		
13400	05	FILLER	PIC X VALUE "Z".
13410	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13420	05	FILLER	PIC 9(6) COMP-1 VALUE 5.
13430	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13440	05	FILLER	PIC 9(6) COMP-1 VALUE 21.
13450 *	* THIS IS OCCURRENCE NO. 21 (FOR 6DA ATC 1)		
13460	05	FILLER	PIC X VALUE "1".
13470	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13480	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13490	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13500	05	FILLER	PIC 9(6) COMP-1 VALUE 20.
13510 *	* THIS IS OCCURRENCE NO. 22 (FOR 6DA ATC 2)		
13520	05	FILLER	PIC X VALUE "2".
13530	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13540	05	FILLER	PIC 9(6) COMP-1 VALUE 100.
13550	05	FILLER	PIC 9(6) COMP-1 VALUE 0.
13560	05	FILLER	PIC 9(6) COMP-1 VALUE 20.
13570 *	* THIS IS OCCURRENCE NO. 23 (FOR 6DA ATC 3)		
13580	05	FILLER	PIC X VALUE "3".
13590	05	FILLER	PIC 9(6) COMP-1 VALUE 100.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

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13600      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13610      05  FILLER                      PIC 9(6) COMP-1 VALUE 0.
13620      05  FILLER                      PIC 9(6) COMP-1 VALUE 20.
13630 *    * THIS IS OCCURRENCE NO. 24 (FOR 6DA ATC 4)
13640      05  FILLER                      PIC X VALUE "4".
13650      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13660      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13670      05  FILLER                      PIC 9(6) COMP-1 VALUE 0.
13680      05  FILLER                      PIC 9(6) COMP-1 VALUE 20.
13690 *    * THIS IS OCCURRENCE NO. 25 (FOR 6DA ATC 5)
13700      05  FILLER                      PIC X VALUE "5".
13710      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13720      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13730      05  FILLER                      PIC 9(6) COMP-1 VALUE 0.
13740      05  FILLER                      PIC 9(6) COMP-1 VALUE 20.
13750 *    * THIS IS OCCURRENCE NO. 26 (FOR 6DA ATC 6)
13760      05  FILLER                      PIC X VALUE "6".
13770      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13780      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13790      05  FILLER                      PIC 9(6) COMP-1 VALUE 0.
13800      05  FILLER                      PIC 9(6) COMP-1 VALUE 20.
13810 *    * THIS IS OCCURRENCE NO. 27 (FOR 6DA ATC 7)
13820      05  FILLER                      PIC X VALUE "7".
13830      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13840      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13850      05  FILLER                      PIC 9(6) COMP-1 VALUE 0.
13860      05  FILLER                      PIC 9(6) COMP-1 VALUE 20.
13870 *    * THIS IS OCCURRENCE NO. 28 (FOR 6DA ATC 8)
13880      05  FILLER                      PIC X VALUE "8".
13890      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13900      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13910      05  FILLER                      PIC 9(6) COMP-1 VALUE 0.
13920      05  FILLER                      PIC 9(6) COMP-1 VALUE 20.
13930 *    * THIS IS OCCURRENCE NO. 29 (FOR 6DA ATC 9)
13940      05  FILLER                      PIC X VALUE "9".
13950      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13960      05  FILLER                      PIC 9(6) COMP-1 VALUE 100.
13970      05  FILLER                      PIC 9(6) COMP-1 VALUE 0.
13980      05  FILLER                      PIC 9(6) COMP-1 VALUE 20.
13990      03  ATC-2-LATC-R REDEFINES ATC-2-LATC-DATA.
14000      05  ATC-2-LATC-ENTRY OCCURS 29.
14010      07  ATC-TAB-ATC PIC X.
14020      07  ATC-TAB-ON-LINK PIC 9(6) COMP-1.
14030      07  ATC-TAB-ON-EQ-LATC-INDEX PIC 9(6) COMP-1.
14040      07  ATC-TAB-OFF-LINK PIC 9(6) COMP-1.
14050      07  ATC-TAB-OFF-EQ-LATC-INDEX PIC 9(6) COMP-1.
14060 *
14070 *    * THIS IS THE HOW-MAL TO LATC CONVERSION DATA
14080 *
14090 01  HOW-MAL-FROM-6DA-DATA.
14100      03  HM-TAB-SS PIC 9(6) COMP-1.
14110      03  HM-2-LATC-DATA.
14120 *    * THESE ARE FOR ON EQUIP HOW-MAL'S ONLY

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



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14130 *
14140 * * THIS IS OCCURRENCE NO. 1 (FOR 6DA HOW-MAL 799)
14150      05 FILLER PIC XXX VALUE "799".
14160      05 FILLER PIC 9(6) COMP-1 VALUE 7.
14170 * * THIS IS OCCURRENCE NO. 2 (FOR 6DA HOW-MAL 800)
14180      05 FILLER PIC XXX VALUE "800".
14190      05 FILLER PIC 9(6) COMP-1 VALUE 7.
14200 * * THIS IS OCCURRENCE NO. 3 (FOR 6DA HOW-MAL 803)
14210      05 FILLER PIC XXX VALUE "803".
14220      05 FILLER PIC 9(6) COMP-1 VALUE 4.
14230 * * THIS IS OCCURRENCE NO. 4 (FOR 6DA HOW-MAL 804)
14240      05 FILLER PIC XXX VALUE "804".
14250      05 FILLER PIC 9(6) COMP-1 VALUE 7.
14260 * * THIS IS OCCURRENCE NO. 5 (FOR 6DA HOW-MAL 805)
14270      05 FILLER PIC XXX VALUE "805".
14280      05 FILLER PIC 9(6) COMP-1 VALUE 7.
14290 * * THIS IS OCCURRENCE NO. 6 (FOR ALL OTHER 6DA
14300 * * HOW-MAL'S OF THIS GROUP)
14310      05 FILLER PIC XXX VALUE "ALL".
14320      05 FILLER PIC 9(6) COMP-1 VALUE 3.
14330 * * THIS IS OCCURRENCE NO. 7 (FOR 6DA HOW-MAL 812)
14340      05 FILLER PIC XXX VALUE "812".
14350      05 FILLER PIC 9(6) COMP-1 VALUE 6.
14360 * * THIS IS OCCURRENCE NO. 8 (FOR ALL OTHER 6DA
14370 * * HOW-MAL'S OF THIS GROUP)
14380      05 FILLER PIC XXX VALUE "ALL".
14390      05 FILLER PIC 9(6) COMP-1 VALUE 2.
14400 03 HM-2-LATC-R REDEFINES HM-2-LATC-DATA.
14410      05 HM-2-LATC-ENTRY OCCURS 8.
14420      07 HM-TAB-HOW-MAL PIC XXX.
14430      07 HM-TAB-LATC-INDEX PIC 9(6) COMP-1.
14440 *
14450 *
14460 * *****
14470 * * QUEEN BEE / COMPONENT POSITION TABLE + SUPPORT STUFF
14480 *
14490 01 QUEEN-BEE-COMP-POS-STUFF.
14500      03 COMP-POS-QB-TAB-SS PIC 9(6) COMP-1 VALUE 0.
14510      03 QB-TAB-SS PIC 9(6) COMP-1 VALUE 0.
14520      03 QB-TAB-MAX PIC 9(6) COMP-1 VALUE 3.
14530      03 QB-TAB.
14540          05 FILLER PIC X(30) VALUE "INCLUDED".
14550          05 FILLER PIC X(30) VALUE "EXCLUDED".
14560          05 FILLER PIC X(30) VALUE "ONLY".
14570 03 QBTR REDEFINES QB-TAB.
14580      05 QB-TAB-ENTRY OCCURS 3.
14590          07 QB-TAB-SEL-PRINT.
14600              09 QB-TAB-DIR-KEY PIC XXXX.
14610              09 FILLER PIC XXXX.
14620          07 FILLER PIC X(22).
14630 * * THE ABOVE FILLER 1) IS GROWTH ROOM, AND 2) PROVIDES
14640 * * WORD ALIGNMENT FOR BOTH HONEYWELL + CDC COMPUTERS
14650 *

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

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14660 *
14670 * *****
14680 * * MAIN SELECTION TABLE AND SUPPORT STUFF
14690 *
14700 01 SELECTION-TABLE-STUFF.
14710 03 3DIG-MAX PIC 9(6) COMP-1 VALUE 30.
14720 03 3DIG-START PIC 9(6) COMP-1 VALUE 0.
14730 03 AFSC-CNT PIC 9(6) COMP-1 VALUE 0.
14740 03 AFSC-MAX PIC 9(6) COMP-1 VALUE 99.
14750 03 AFSC-SS PIC 9(6) COMP-1.
14760 03 AFSC-START PIC 9(6) COMP-1 VALUE 0.
14770 03 ASSIGN-CODE-MAX PIC 9(6) COMP-1 VALUE 10.
14780 03 ASSIGN-CODE-START PIC 9(6) COMP-1 VALUE 0.
14790 03 LAB-CAT-MAX PIC 9(6) COMP-1 VALUE 6.
14800 03 LAB-CAT-START PIC 9(6) COMP-1 VALUE 0.
14810 03 MAJCOM-MAX PIC 9(6) COMP-1 VALUE 4.
14820 03 MAJCOM-START PIC 9(6) COMP-1 VALUE 0.
14830 03 RPT-SS PIC 9(6) COMP-1.
14840 03 RPT-START PIC 9(6) COMP-1 VALUE 0.
14850 03 SRD-CNT PIC 9(6) COMP-1 VALUE 0.
14860 03 SRD-MAX PIC 9(6) COMP-1 VALUE 12.
14870 03 SRD-SS PIC 9(6) COMP-1.
14880 03 SRD-START PIC 9(6) COMP-1 VALUE 0.
14890 03 TYPE-MAINT-MAX PIC 9(6) COMP-1 VALUE 20.
14900 03 TYPE-MAINT-START PIC 9(6) COMP-1 VALUE 0.
14910 03 WCTR-MAX PIC 9(6) COMP-1 VALUE 300.
14920 03 WCTR-START PIC 9(6) COMP-1 VALUE 0.
14930 03 WDC-MAX PIC 9(6) COMP-1 VALUE 28.
14940 03 WDC-SS PIC 9(6) COMP-1.
14950 03 SEL-TAB-SS PIC 9(6) COMP-1.
14960 03 SEL-TAB-SS1 PIC 9(6) COMP-1.
14970 03 SEL-TAB-SS2 PIC 9(6) COMP-1.
14980 03 SEL-TAB-SS3 PIC 9(6) COMP-1.
14990 03 SEL-TAB-START PIC 9(6) COMP-1.
15000 03 SEL-TAB-AVAIL PIC 9(6) COMP-1 VALUE 1.
15010 03 SEL-TAB-CNT PIC 9(6) COMP-1.
15020 03 SEL-TAB-MAX PIC 9(6) COMP-1 VALUE 500.
15030 03 SELECTION-TABLE-ENTRY OCCURS 500.
15040 05 SEL-TAB-KEY.
15050 07 SEL-TAB-KEY-1-6.
15060 09 SEL-TAB-KEY-1-5.
15070 11 SEL-TAB-KEY-1-4.
15080 13 SEL-TAB-KEY-1-3.
15090 15 SEL-TAB-KEY-1-2.
15100 17 SEL-TAB-KEY-1.
15110 19 SEL-TAB-KEY-1-NUM PIC 9.
15120 17 FILLER PIC X.
15130 15 SEL-TAB-KEY-3.
15140 17 SEL-TAB-KEY-3-NUM PIC 9.
15150 13 SEL-TAB-KEY-4.
15160 15 SEL-TAB-KEY-4-NUM PIC 9.
15170 11 FILLER PIC X.
15180 09 FILLER PIC X.

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FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

15190		07 FILLER	PIC X.
15200		05 SEL-TAB-LINK1	PIC 9(6) COMP-1.
15210		05 SEL-TAB-LINK2	PIC 9(6) COMP-1.
15220	*		
15230	01	DUMP-SEL-TAB-ENTRY.	
15240	03	D-S-T-E-ENTRY-NO	PIC 9999.
15250	03	FILLER	PIC X VALUE SPACE.
15260	03	D-S-T-E-KEY.	
15270		05 FILLER	PIC XXX.
15280		05 D-S-T-E-KEY-3	PIC X.
15290		05 D-S-T-E-KEY-4	PIC X.
15300		05 FILLER	PIC X(5).
15310	03	FILLER	PIC X VALUE SPACE.
15320	03	D-S-T-E-LINK1	PIC 9(6).
15330	03	FILLER	PIC X VALUE SPACE.
15340	03	D-S-T-E-LINK2	PIC 9(6).
15350	*		
15360	*		
15370	*	*****	
15380	*	* GENERAL USE CONSTANTS (ALPHA AND NUMERIC)	
15390	*		
15400	01	MIN-ONE	PIC S9(7) COMP-1 VALUE -1.
15410	01	SZERO	PIC 9(7) COMP-1 VALUE 0.
15420	01	ONE	PIC 9(7) COMP-1 VALUE 1.
15430	01	TWO	PIC 9(7) COMP-1 VALUE 2.
15440	01	THREE	PIC 9(7) COMP-1 VALUE 3.
15450	01	FOUR	PIC 9(7) COMP-1 VALUE 4.
15460	01	FIVE	PIC 9(7) COMP-1 VALUE 5.
15470	01	SIX	PIC 9(7) COMP-1 VALUE 6.
15480	01	SEVEN	PIC 9(7) COMP-1 VALUE 7.
15490	01	EIGHT	PIC 9(7) COMP-1 VALUE 8.
15500	01	NINE	PIC 9(7) COMP-1 VALUE 9.
15510	01	TEN	PIC 9(7) COMP-1 VALUE 10.
15520	01	N-11	PIC 9(7) COMP-1 VALUE 11.
15530	01	N-12	PIC 9(7) COMP-1 VALUE 12.
15540	01	N-13	PIC 9(7) COMP-1 VALUE 13.
15550	01	N-14	PIC 9(7) COMP-1 VALUE 14.
15560	01	N-15	PIC 9(7) COMP-1 VALUE 15.
15570	01	N-24	PIC 9(7) COMP-1 VALUE 24.
15580	01	N-50	PIC 9(7) COMP-1 VALUE 50.
15590	01	N-60	PIC 9(7) COMP-1 VALUE 60.
15600	01	N-100	PIC 9(7) COMP-1 VALUE 100.
15610	01	N-150	PIC 9(7) COMP-1 VALUE 150.
15620	01	N-333	PIC 9(7) COMP-1 VALUE 333.
15630	01	N-1000	PIC 9(7) COMP-1 VALUE 1000.
15640	01	N-1000000	PIC 9(7) COMP-1 VALUE 1000000.
15650	01	ZZEROS	PIC XX VALUE "00".
15660	01	WUC-03	PIC XX VALUE "03".
15670	01	WUC-04	PIC XX VALUE "04".
15680	01	WUC-09	PIC XX VALUE "09".
15690	01	THREE-X	PIC X VALUE "3".
15700	01	FOUR-X	PIC X VALUE "4".
15710	01	SIX-X	PIC X VALUE "6".

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

15720	01	E	PIC X VALUE "E".
15730	01	F	PIC X VALUE "F".
15740	01	H	PIC X VALUE "H".
15750	01	I	PIC X VALUE "I".
15760	01	M	PIC X VALUE "M".
15770	01	N	PIC X VALUE "N".
15780	01	P	PIC X VALUE "P".
15790	01	Q	PIC X VALUE "Q".
15800	01	R	PIC X VALUE "R".
15810	01	T	PIC X VALUE "T".
15820	01	U	PIC X VALUE "U".
15830	01	X	PIC X VALUE "X".
15840	01	Z	PIC X VALUE "Z".
15850	01	COMMA	PIC X VALUE ",."
15860	01	NOTHING	PIC X(8) VALUE "***NONE**".
15870	01	CONSTANT-OF-ALL	PIC XXX VALUE "ALL".
15880	*		
15890	*		
15900	*	*****	
15910	*	* MISCELLANEOUS VARIABLES AND WORK AREAS	
15920	*		
15930	01	LATC-INDEX	PIC 9(6) COMP-1.
15940	01	MANHCURS	PIC 9(7) COMP-1.
15950	01	OLD-6DA-1-79	PIC X(79).
15960	01	REJECT-REASON	PIC 99 COMP-1.
15970	01	ROW-INDEX	PIC 99 COMP-1.
15980	01	TIME-1	PIC 9(7) COMP-1.
15990	01	TIME-2	PIC 9(7) COMP-1.
16000	*		
16010	01	DISPLAY-NUM	PIC Z(5)9.
16020	01	DISP-NUM-6 REDEFINES DISPLAY-NUM.	
16030	03	FILLER	PIC XX.
16040	03	DISP-NUM-4.	
16050	05	FILLER	PIC XX.
16060	05	DISP-NUM-2	PIC XX.
16070	*		
16080	01	DISPLAY-UNITS	PIC 9(10).
16090	01	DISPLAY-10THS REDEFINES DISPLAY-UNITS	
16100			PIC 9(9)V9.
16110	*		
16120	01	SRD.	
16130	03	SRD-1	PIC X.
16140	03	SRD-2-3	PIC XX.
16150	*		
16160	01	TEST-WCTR-STUFF.	
16170	03	WCTR-SPLIT	PIC 9(6) COMP-1.
16180	03	TEST-WCTR-1-5.	
16190	05	TEST-WCTR-1-4.	
16200	07	TEST-WCTR-1-3	PIC XXX.
16210	07	TEST-WCTR-4	PIC X.
16220	05	TEST-WCTR-5	PIC X.
16230	*		
16240	01	TOKEN-STUFF.	

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

16250      03  TOKEN-VALUE          PIC 9(7) COMP-1.
16260      03  TOK-MAX             PIC 9(6) COMP-1 VALUE 25.
16270      03  TOK-SIZE            PIC 9(6) COMP-1.
16280      03  TOK-SS              PIC 9(6) COMP-1.
16290      03  TOKEN.
16300          05  TOKEN-1-15.
16310              07  TOKEN-1-7.
16320                  08  TOKEN-1-6.
16330                      09  TOKEN-1-5.
16340                          11  TOKEN-1-4.
16350                              13  TOKEN-1-3.
16360                                  15  TOKEN-1-2.
16370                                      17  TOKEN-1  PIC X.
16380                                      17  TOKEN-2  PIC X.
16390                                          15  FILLER  PIC X.
16400                                              13  FILLER  PIC X.
16410                                                  11  FILLER  PIC X.
16420                                                      09  FILLER  PIC X.
16430                                                          08  FILLER  PIC X.
16440                                                              07  FILLER  PIC X(8).
16450                                                                  05  FILLER  PIC X(10).
16460      03  TOKENR REDEFINES TOKEN.
16470          05  TOK              OCCURS 25.
16480              07  TOK-NUM      PIC 9.
16490  *
16500  01  UNITS.
16510      03  UNITS-VALUE          PIC 99.
16520  01  UNITS-COMP             PIC 9(6) COMP-1.
16530  *
16540  *
16550  * *****
16560  * * THIS CODE IS RETRIEVED BY A $ SELECTA AGAINST FILE
16570  * * MSMET/CDEP/PGMS/TRANS.T1
16580  *
16590  *
16600  * * TRANSLATION TABLE AND SUPPORT STUFF
16610  *
16620  01  EQUALSIGN                PIC X VALUE "=".
16630  01  TRANSL-SS1-CDC          PIC 9(10) COMP-1 VALUE 0.
16640  01  TRS1C REDEFINES TRANSL-SS1-CDC.
16650      03  FILLER              PIC X(9).
16660      03  TRANSL-SS1-CDC-CHAR  PIC X.
16670  01  TRANSL-SS2-HW           PIC 9(6) COMP-1 VALUE 0.
16680  01  TRS2H REDEFINES TRANSL-SS2-HW.
16690      03  FILLER              PIC X(5).
16700      03  TRANSL-SS2-HW-CHAR  PIC X.
16710  *
16720  * * THE CDEP SYSTEM WAS DESIGNED SO THAT ANY TIME THAT OUTPUT
16730  * * PRODUCTS CONTAINED WORK UNIT CODES WHICH NEEDED TO APPEAR
16740  * * IN ORDER, THEY WOULD APPEAR IN THE SAME SEQUENCE AS FOUND
16750  * * IN THE -06 TECHNICAL ORDERS FOR THE VARIOUS AIR FORCE
16760  * * WEAPON SYSTEMS. SINCE NEITHER OF THE TWO TARGET COMPUTER
16770  * * SYSTEMS (CDC 6000 SERIES + HONEYWELL 600/6000 SERIES

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

\* \* MACHINES) HAVE THIS SEQUENCE BUILT INTO THEM, TRANSLATION  
 \* \* TABLES AND SUPPORT AREAS WERE DESIGNED SUCH THAT THE  
 \* \* TARGET COMPUTER'S BUILT-IN COLLATING SEQUENCE WOULD SORT  
 \* \* A MODIFIED (TRANSLATED) WUC PROPERLY.

\* \* THE TRANSLATION TECHNIQUE IS AS FOLLOWS:

\* \* IT IS KNOWN THAT EACH CHARACTER IN HONEYWELL 600/6000  
 \* \* AND CDC 6000 SERIES MACHINES IS REPRESENTED BY 6 BITS,  
 \* \* THEREBY REPRESENTING A DECIMAL VALUE BETWEEN ZERO AND 63.  
 \* \* EACH VALUE COULD BE USED AS A SUBSCRIPT INTO A TABLE TO  
 \* \* "DIRECTLY" REFER TO THE CONVERSION CODE CHARACTER DESIRED.  
 \* \* THE CONVERSION OF A CHARACTER INTO ITS CORRESPONDING  
 \* \* NUMBER VALUE (0 TO 63) IS DONE BY THE USE OF THE DATA AREAS  
 \* \* ABOVE NAMED TRANSL-SS1-CDC (AND ITS REDEFINITION) ON THE  
 \* \* CDC COMPUTER AND TRANSL-SS2-HW (AND ITS REDEFINITION) ON  
 \* \* THE HONEYWELL COMPUTER. FOR EXAMPLE, ON THE HONEYWELL  
 \* \* COMPUTER, BY MOVING THE CHARACTER TO BE CONVERTED TO  
 \* \* TRANSL-SS2-HW-CHAR, THE DATA NAME TRANSL-SS2-HW NOW CON-  
 \* \* TAINS A COMPUTATIONAL-1 FORMAT BINARY INTEGER WITH A VALUE  
 \* \* FROM ZERO TO 63 (NOTE THAT TRANSL-SS2-HW IS INITIALIZED TO  
 \* \* A VALUE OF ZERO TO TAKE CARE OF ANY IDIOSYNCHROCIES OF THE  
 \* \* COMP-1 FORMAT). BY ADDING 1 TO TRANSL-SS2-HW, THE PROGRAM  
 \* \* NOW HAS A VALID SUBSCRIPT NUMBER FROM 1 TO 64 WHICH CAN BE  
 \* \* USED TO REFER TO A PARTICULAR ENTRY IN THE TRANSLATION  
 \* \* TABLE BELOW. THAT TRANSLATION TABLE HAS BEEN BUILT SUCH  
 \* \* THAT THE VALUE IN TRANSL-SS2-HW REFERS TO THE PROPER TABLE  
 \* \* ENTRY FOR THE DESIRED CONVERSION. AN IDENTICAL PROCESS  
 \* \* OCCURS ON THE CDC COMPUTERS USING THE VARIABLES  
 \* \* TRANSL-SS1-CDC AND TRANSL-SS1-CDC-CHAR. THE NEED FOR TWO  
 \* \* SEPARATE CONVERSION SUBSCRIPTS IS DICTATED BY THE FACT  
 \* \* THAT THE WORD SIZE ON THE CDC AND HONEYWELL MACHINES IS  
 \* \* DIFFERENT.

\* \* THIS CONVERSION TECHNIQUE ALLOWS ANY CHARACTER TO BE  
 \* \* TRANSLATED INTO ANY OTHER DESIRED CHARACTER BY TWO MOVE  
 \* \* STATEMENTS ANY ONE ADD STATEMENT.  
 \* \* HOWEVER, BY ALSO INCLUDING AN IF TEST AND AN EXTRA MOVE,  
 \* \* IT IS POSSIBLE TO TRANSLATE ONLY A DESIRED SUBSET OF  
 \* \* CHARACTERS AND LEAVE THE REST UNCHANGED. THIS IS WHAT IS  
 \* \* DONE IN THE TRANSLATION PROCEDURE.

\* \* THE VARIABLE NAMED COMPUTER-ID (BELOW) DEFINES THE COMPUTER  
 \* \* AND THE DIRECTION OF TRANSLATION (I.E. INTO SORT SEQUENCE,  
 \* \* OR OUT OF SORT SEQUENCE) SO THAT THE TRANSLATION PROCEDURE  
 \* \* (SECTION NAME IS TRANSLATE-WUC) CAN PROPERLY MODIFY WUC'S  
 \* \* BOTH FOR SORTING PURPOSES AND FOR RECONVERSION TO CLEARTEXT  
 \* \* FOR PRINTING. TO SELECT THE DESIRED ATTRIBUTES OF THE  
 \* \* CONVERSION, SET THE VALUE OF COMPUTER-ID TO 2 TO CONVERT  
 \* \* HONEYWELL 600/6000 STANDARD COLLATING SEQUENCE CLEARTEXT TO  
 \* \* SORT-TEXT, SET IT TO 3 TO CONVERT HONEYWELL SORT-TEXT TO  
 \* \* ITS CLEARTEXT, SET IT TO 1 TO CONVERT CDC ASCII6 COLLATING  
 \* \* SEQUENCE CLEARTEXT TO SORT-TEXT, AND SET IT TO 4 TO CONVERT

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
 (UNCOMPILED VERSION CONT'D)

```

*      * THE CDC SORT-TEXT BACK TO ITS CLEARTEXT.
*
*
01  COMPUTER-ID                      PIC 9(6) COMP-1 VALUE
16560      2.
*      *****
*      * THIS CODE IS RETRIEVED BY A $ SELECTA AGAINST FILE
*      * MSMET/CDEP/PGMS/TRANS.T2
*
01  TRANSLATION-TABLES.
*      * THIS IS OCCURRENCE NO. 1 FOR CDC/HW CHARS :/0
03  FILLER                          PIC XXXX VALUE "====".
*      * THIS IS OCCURRENCE NO. 2 FOR CDC/HW CHARS A/1
03  FILLER                          PIC XXXX VALUE "1S-J".
*      * THIS IS OCCURRENCE NO. 3 FOR CDC/HW CHARS B/2
03  FILLER                          PIC XXXX VALUE "2T$K".
*      * THIS IS OCCURRENCE NO. 4 FOR CDC/HW CHARS C/3
03  FILLER                          PIC XXXX VALUE "3U*L".
*      * THIS IS OCCURRENCE NO. 5 FOR CDC/HW CHARS D/4
03  FILLER                          PIC XXXX VALUE "4V)M".
*      * THIS IS OCCURRENCE NO. 6 FOR CDC/HW CHARS E/5
03  FILLER                          PIC XXXX VALUE "5W;N".
*      * THIS IS OCCURRENCE NO. 7 FOR CDC/HW CHARS F/6
03  FILLER                          PIC XXXX VALUE "6X'0".
*      * THIS IS OCCURRENCE NO. 8 FOR CDC/HW CHARS G/7
03  FILLER                          PIC XXXX VALUE "7Y+P".
*      * THIS IS OCCURRENCE NO. 9 FOR CDC/HW CHARS H/8
03  FILLER                          PIC XXXX VALUE "8Z/Q".
*      * THIS IS OCCURRENCE NO. 10 FOR CDC/HW CHARS I/9
03  FILLER                          PIC XXXX VALUE "9_LLR".
*      * THIS IS OCCURRENCE NO. 11 FOR CDC/HW CHARS J/[
03  FILLER                          PIC XXXX VALUE "A==S".
*      * THIS IS OCCURRENCE NO. 12 FOR CDC/HW CHARS K/#
03  FILLER                          PIC XXXX VALUE "B==T".
*      * THIS IS OCCURRENCE NO. 13 FOR CDC/HW CHARS L/(AT SIGN)
03  FILLER                          PIC XXXX VALUE "C==U".
*      * THIS IS OCCURRENCE NO. 14 FOR CDC/HW CHARS M/:
03  FILLER                          PIC XXXX VALUE "D==V".
*      * THIS IS OCCURRENCE NO. 15 FOR CDC/HW CHARS N/>
03  FILLER                          PIC XXXX VALUE "E==W".
*      * THIS IS OCCURRENCE NO. 16 FOR CDC/HW CHARS O/(QUEST MK)
03  FILLER                          PIC XXXX VALUE "F==X".
*      * THIS IS OCCURRENCE NO. 17 FOR CDC/HW CHARS P/(BLANK)
03  FILLER                          PIC XXXX VALUE "G,,Y".
*      * THIS IS OCCURRENCE NO. 18 FOR CDC/HW CHARS Q/A
03  FILLER                          PIC XXXX VALUE "H==Z".
*      * THIS IS OCCURRENCE NO. 19 FOR CDC/HW CHARS R/B
03  FILLER                          PIC XXXX VALUE "I==1".
*      * THIS IS OCCURRENCE NO. 20 FOR CDC/HW CHARS S/C
03  FILLER                          PIC XXXX VALUE "J==2".
*      * THIS IS OCCURRENCE NO. 21 FOR CDC/HW CHARS T/D
03  FILLER                          PIC XXXX VALUE "K==3".
*      * THIS IS OCCURRENCE NO. 22 FOR CDC/HW CHARS U/E

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

03	FILLER	PIC	XXXX	VALUE	"L==4".
*	* THIS IS OCCURRENCE NO.	23	FOR	CDC/HW	CHARS V/F
03	FILLER	PIC	XXXX	VALUE	"M==5".
*	* THIS IS OCCURRENCE NO.	24	FOR	CDC/HW	CHARS W/G
03	FILLER	PIC	XXXX	VALUE	"N==6".
*	* THIS IS OCCURRENCE NO.	25	FOR	CDC/HW	CHARS X/H
03	FILLER	PIC	XXXX	VALUE	"O==7".
*	* THIS IS OCCURRENCE NO.	26	FOR	CDC/HW	CHARS Y/I
03	FILLER	PIC	XXXX	VALUE	"P==8".
*	* THIS IS OCCURRENCE NO.	27	FOR	CDC/HW	CHARS Z/&
03	FILLER	PIC	XXXX	VALUE	"Q==9".
*	* THIS IS OCCURRENCE NO.	28	FOR	CDC/HW	CHARS O/.
03	FILLER	PIC	XXXX	VALUE	"====".
*	* THIS IS OCCURRENCE NO.	29	FOR	CDC/HW	CHARS 1/J
03	FILLER	PIC	XXXX	VALUE	"R==A".
*	* THIS IS OCCURRENCE NO.	30	FOR	CDC/HW	CHARS 2/(
03	FILLER	PIC	XXXX	VALUE	"S==B".
*	* THIS IS OCCURRENCE NO.	31	FOR	CDC/HW	CHARS 3/C
03	FILLER	PIC	XXXX	VALUE	"T==C".
*	* THIS IS OCCURRENCE NO.	32	FOR	CDC/HW	CHARS 4/\
03	FILLER	PIC	XXXX	VALUE	"U==D".
*	* THIS IS OCCURRENCE NO.	33	FOR	CDC/HW	CHARS 5/^
03	FILLER	PIC	XXXX	VALUE	"V==E".
*	* THIS IS OCCURRENCE NO.	34	FOR	CDC/HW	CHARS 6/J
03	FILLER	PIC	XXXX	VALUE	"W==F".
*	* THIS IS OCCURRENCE NO.	35	FOR	CDC/HW	CHARS 7/K
03	FILLER	PIC	XXXX	VALUE	"X==G".
*	* THIS IS OCCURRENCE NO.	36	FOR	CDC/HW	CHARS 8/L
03	FILLER	PIC	XXXX	VALUE	"Y==H".
*	* THIS IS OCCURRENCE NO.	37	FOR	CDC/HW	CHARS 9/M
03	FILLER	PIC	XXXX	VALUE	"Z==I".
*	* THIS IS OCCURRENCE NO.	38	FOR	CDC/HW	CHARS +/N
03	FILLER	PIC	XXXX	VALUE	"====".
*	* THIS IS OCCURRENCE NO.	39	FOR	CDC/HW	CHARS -/O
03	FILLER	PIC	XXXX	VALUE	"====".
*	* THIS IS OCCURRENCE NO.	40	FOR	CDC/HW	CHARS */P
03	FILLER	PIC	XXXX	VALUE	"====".
*	* THIS IS OCCURRENCE NO.	41	FOR	CDC/HW	CHARS (SLASH)/Q
03	FILLER	PIC	XXXX	VALUE	"====".
*	* THIS IS OCCURRENCE NO.	42	FOR	CDC/HW	CHARS (/R
03	FILLER	PIC	XXXX	VALUE	"====".
*	* THIS IS OCCURRENCE NO.	43	FOR	CDC/HW	CHARS )/-
03	FILLER	PIC	XXXX	VALUE	"=1S=".
*	* THIS IS OCCURRENCE NO.	44	FOR	CDC/HW	CHARS #/S
03	FILLER	PIC	XXXX	VALUE	"=2T=".
*	* THIS IS OCCURRENCE NO.	45	FOR	CDC/HW	CHARS =/*
03	FILLER	PIC	XXXX	VALUE	"=3U=".
*	* THIS IS OCCURRENCE NO.	46	FOR	CDC/HW	CHARS (BLANK)/)
03	FILLER	PIC	XXXX	VALUE	"=4V=".
*	* THIS IS OCCURRENCE NO.	47	FOR	CDC/HW	CHARS ./;
03	FILLER	PIC	XXXX	VALUE	"=5W=".
*	* THIS IS OCCURRENCE NO.	48	FOR	CDC/HW	CHARS ./'
03	FILLER	PIC	XXXX	VALUE	"=6X=".

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

*      * THIS IS OCCURRENCE NO. 49 FOR CDC/HW CHARS #/+
03      FILLER
*      * THIS IS OCCURRENCE NO. 50 FOR CDC/HW CHARS [/(SLASH)
03      FILLER
*      * THIS IS OCCURRENCE NO. 51 FOR CDC/HW CHARS 1/S
03      FILLER
*      * THIS IS OCCURRENCE NO. 52 FOR CDC/HW CHARS %/T
03      FILLER
*      * THIS IS OCCURRENCE NO. 53 FOR CDC/HW CHARS (QUOTE)/U
03      FILLER
*      * THIS IS OCCURRENCE NO. 54 FOR CDC/HW CHARS _/V
03      FILLER
*      * THIS IS OCCURRENCE NO. 55 FOR CDC/HW CHARS (EXCLAIM)/W
03      FILLER
*      * THIS IS OCCURRENCE NO. 56 FOR CDC/HW CHARS &/X
03      FILLER
*      * THIS IS OCCURRENCE NO. 57 FOR CDC/HW CHARS '/Y
03      FILLER
*      * THIS IS OCCURRENCE NO. 58 FOR CDC/HW CHARS (QUEST MK)/Z
03      FILLER
*      * THIS IS OCCURRENCE NO. 59 FOR CDC/HW CHARS </_
03      FILLER
*      * THIS IS OCCURRENCE NO. 60 FOR CDC/HW CHARS >/,
03      FILLER
*      * THIS IS OCCURRENCE NO. 61 FOR CDC/HW CHARS (AT SIGN)/%
03      FILLER
*      * THIS IS OCCURRENCE NO. 62 FOR CDC/HW CHARS \/=
03      FILLER
*      * THIS IS OCCURRENCE NO. 63 FOR CDC/HW CHARS ^/(QUOTE)
03      FILLER
*      * THIS IS OCCURRENCE NO. 64 FOR CDC/HW CHARS ;/(EXCLAIM)
03      FILLER
01      ILT REDEFINES TRANSLATION-TABLES.
03      TRANS-ENTRY
05      TRANS-CDC-2-SORT      PIC X.
05      TRANS-HW-2-SORT      PIC X.
05      TRANS-SORT-2-HW      PIC X.
05      TRANS-SORT-2-CDC     PIC X.

16580 /
16590  PROCEDURE DIVISION.
16600  BASIC-CONTROL SECTION.
16610  BC-START.
16620      PERFORM INITIALIZATION.
16630      PERFORM SELECTION.
16640 9   PERFORM DUMP-SEL-TABLE.
16650      STOP RUN.
16660 *
16670 *
16680  INITIALIZATION SECTION.
16690  I-START.
16700      OPEN INPUT DIRECTIVES-FILE
16710          OUTPUT DIRECTIVE-LIST-FILE.
16720      MOVE N-100 TO LINE-CNT.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

16730      MOVE SPACE TO DIRECTIVE-LIST-REC.
16740      MOVE SZERO TO
16750          DIR-LIST-OPEN
16760          DIR-AT-END.
16770      PERFORM J-ZERO-SOO-CTRS
16780          VARYING SOO-SS FROM ONE BY ONE
16790          UNTIL SOO-SS > SOO-MAX.
16800      DISPLAY DISPLAY-BANNER-1.
16810      DISPLAY DISPLAY-BANNER-2.
16820      DISPLAY DISPLAY-BANNER-1.
16830      MOVE CDEP-VERSION TO DB3-VERSION.
16840      DISPLAY DISPLAY-BANNER-3.
16850      DISPLAY DISPLAY-BANNER-1.
16860      DISPLAY DISPLAY-BANNER-4.
16870      DISPLAY DISPLAY-BANNER-1.
16880      I-LOOP.
16890      PERFORM GET-DIRECTIVE-AND-ECHO.
16900      IF DIR-AT-END NOT = SZERO
16910          MOVE DIR-COUNT TO DISPLAY-NUM
16920          MOVE DISP-NUM-4 TO D-M-E-NUM
16930          MOVE DIRECTIVE-MESSAGE-END TO DIRECTIVE-OUT
16940          MOVE TWO TO DIR-LIST-CC
16950          PERFORM OUTPUT-DIRECTIVE
16960          MOVE SZERO TO DIR-LIST-CC
16970          PERFORM OUTPUT-DIRECTIVE
16980          CLOSE DIRECTIVE-LIST-FILE
16990          MOVE ONE TO DIR-LIST-OPEN
17000          PERFORM USER-INPUT-SUMMARY-1
17010          GO TO I-EXIT.
17020      MOVE ONE TO DIR-SS.
17030      PERFORM GET-TOKEN.
17040      I-PROCESS-DIRECTIVE.
17050          IF TOKEN-1-4 = DIR-KEY-WORKCENTER
17060              PERFORM WORKCENTER-AFSC-PROCESSOR
17070              GO TO I-LOOP.
17080          IF TOKEN-1-3 = DIR-KEY-MDS
17090              PERFORM MDS-PROCESSOR
17100              GO TO I-LOOP.
17110          IF TOKEN-1-4 = DIR-KEY-SORTIES
17120              PERFORM SORTIE-PROCESSOR
17130              GO TO I-LOOP.
17140          IF TOKEN-1-4 = DIR-KEY-FLYING-HRS
17150              PERFORM FLYING-HRS-PROCESSOR
17160              GO TO I-LOOP.
17170          IF TOKEN-1-4 = DIR-KEY-LABOR-CATEGORY
17180              PERFORM LABOR-CATEGORY-PROCESSOR
17190              GO TO I-LOOP.
17200          IF TOKEN-1-4 = DIR-KEY-ASSIGNMENT-CODE
17210              PERFORM ASSIGNMENT-CODE-PROCESSOR
17220              GO TO I-LOOP.
17230          IF TOKEN-1-4 = DIR-KEY-MAJOR-COMMAND
17240              PERFORM MAJOR-COMMAND-PROCESSOR
17250              GO TO I-LOOP.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

17260      IF TOKEN-1-4 = DIR-KEY-TYPE-MAINT
17270          PERFORM TYPE-MAINT-PROCESSOR
17280          GO TO I-LOOP.
17290      IF TOKEN-1-4 = DIR-KEY-3-DIGIT-WUC
17300          PERFORM 3-DIGIT-WUC-PROCESSOR
17310          GO TO I-LOOP.
17320      IF TOKEN-1-4 = DIR-KEY-QUEEN-BEE
17330          PERFORM QUEEN-BEE-PROCESSOR
17340          GO TO I-LOOP.
17350      IF TOKEN-1-4 = DIR-KEY-COMPONENT-POS
17360          PERFORM COMPONENT-POS-PROCESSOR
17370          GO TO I-LOOP.
17380      IF TOKEN-1-4 = DIR-KEY-REPORT
17390          PERFORM REPORT-PROCESSOR
17400          IF DIR-AT-END NOT = SZERO
17410              GO TO I-LOOP
17420          ELSE
17430              GO TO I-PROCESS-DIRECTIVE.
17440      I-UNKNOWN-DIRECTIVE.
17450          PERFORM DIRECTIVE-WARNING-KEYWORD-ERR.
17460          GO TO I-LOOP.
17470      I-ZERO-SOO-CTRS.
17480          MOVE SZERO TO
17490              SOO-COUNT (SOO-SS)
17500              SOO-MANHRS (SOO-SS).
17510      I-EXIT.
17520          EXIT.
17530 *
17540 *
17550      BUMP-SEL-TAB-SS SECTION.
17560 *
17570 *
17580      BSTS-START.
17590          MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO SEL-TAB-SS.
17600      BSTS-EXIT.
17610          EXIT.
17620 *
17630 *
17640      DUMMY SECTION.
17650 *
17660 *
17670      D-EXIT.
17680          EXIT.
17690 *
17700 *
17710      INSERT-IN-SEL-TABLE SECTION.
17720 *
17730 *
17740      IIST-START.
17750          PERFORM GET-SEL-TAB-SLOT.
17760          MOVE TOKEN-1-6 TO SEL-TAB-KEY-1-6 (SEL-TAB-SS).
17770          MOVE SEL-TAB-START TO SEL-TAB-LINK2 (SEL-TAB-SS).
17780          MOVE SEL-TAB-SS TO SEL-TAB-START.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

17790  IIST-EXIT.
17800      EXIT.
17810  *
17820  *
17830  GET-SEL-TAB-SLOT SECTION.
17840  *
17850  *
17860  GSTS-START.
17870      IF SEL-TAB-AVAIL > SEL-TAB-MAX
17880          GO TO GSTS-ERR.
17890      MOVE SEL-TAB-AVAIL TO SEL-TAB-SS.
17900      MOVE SPACE TO SEL-TAB-KEY (SEL-TAB-SS).
17910      ADD ONE TO SEL-TAB-AVAIL.
17920      GO TO GSTS-EXIT.
17930  GSTS-ERR.
17940      MOVE TWO TO DIR-LIST-CC.
17950      MOVE DIRECTIVE-WARNING-STARS TO DIRECTIVE-OUT.
17960      PERFORM GSTS-OUT.
17970      MOVE ONE TO DIR-LIST-CC.
17980      PERFORM GSTS-OUT.
17990      MOVE DIRECTIVE-FATAL-SEL-TAB-2MANY TO DIRECTIVE-OUT.
18000      PERFORM GSTS-OUT.
18010      MOVE DIRECTIVE-WARNING-STARS TO DIRECTIVE-OUT.
18020      PERFORM GSTS-OUT TWO TIMES.
18030      IF DIR-LIST-OPEN = SZERO
18040          MOVE SZERO TO DIR-LIST-CC
18050          PERFORM OUTPUT-DIRECTIVE
18060          CLOSE DIRECTIVE-LIST-FILE.
18070      STOP RUN.
18080  GSTS-OUT.
18090      IF DIR-LIST-OPEN NOT = SZERO
18100          DISPLAY DIRECTIVE-OUT
18110      ELSE
18120          PERFORM OUTPUT-DIRECTIVE.
18130  GSTS-EXIT.
18140      EXIT.
18150  *
18160  *
18170  WORKCTR-SEARCH SECTION.
18180  *
18190  *
18200  WS-START.
18210      MOVE SEL-TAB-START TO SEL-TAB-SS.
18220  WS-LOOP-1.
18230      IF SEL-TAB-START = SZERO
18240          GO TO WS-SET-LOOP-2.
18250      GO TO
18260          WS-4LEVEL-1
18270          WS-5LEVEL-1
18280          DEPENDING ON WCTR-SPLIT.
18290  WS-3LEVEL-1.
18300      IF TEST-WCTR-1-3 < SEL-TAB-KEY-1-3 (SEL-TAB-START)
18310          GO TO WS-SET-LOOP-2.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

18320      GO TO WS-BUMP-1.
18330 WS-4LEVEL-1.
18340      IF TEST-WCTR-1-4 < SEL-TAB-KEY-1-4 (SEL-TAB-START)
18350          GO TO WS-SET-LOOP-2.
18360      GO TO WS-BUMP-1.
18370 WS-5LEVEL-1.
18380      IF TEST-WCTR-1-5 < SEL-TAB-KEY-1-5 (SEL-TAB-START)
18390          GO TO WS-SET-LOOP-2.
18400      GO TO WS-BUMP-1.
18410 WS-BUMP-1.
18420      MOVE SEL-TAB-START TO SEL-TAB-SS.
18430      MOVE SEL-TAB-LINK2 (SEL-TAB-START) TO SEL-TAB-START.
18440      GO TO WS-LOOP-1.
18450 WS-SET-LOOP-2.
18460      MOVE SEL-TAB-SS TO SEL-TAB-SS1.
18470      IF SEL-TAB-START = SEL-TAB-SS
18480 *      ** THIS TEST MEANS THAT TEST-WCTR IS SMALLER THAN
18490 *      ** THE 1ST TABLE ENTRY KEY (OR THAT THE TABLE IS EMPTY)
18500          GO TO WS-RESET.
18510      MOVE SEL-TAB-LINK1 (SEL-TAB-SS) TO SEL-TAB-SS.
18520 WS-LOOP-2.
18530      IF SEL-TAB-SS = SZERO
18540          GO TO WS-RESET.
18550      GO TO
18560          WS-4LEVEL-2
18570          WS-5LEVEL-2
18580      DEPENDING ON WCTR-SPLIT.
18590 WS-3LEVEL-2.
18600      IF TEST-WCTR-1-3 = SEL-TAB-KEY-1-3 (SEL-TAB-SS)
18610          GO TO WS-FOUND.
18620      GO TO WS-BUMP-2.
18630 WS-4LEVEL-2.
18640      IF TEST-WCTR-1-4 = SEL-TAB-KEY-1-4 (SEL-TAB-SS)
18650          GO TO WS-FOUND.
18660      GO TO WS-BUMP-2.
18670 WS-5LEVEL-2.
18680      IF TEST-WCTR-1-5 = SEL-TAB-KEY-1-5 (SEL-TAB-SS)
18690          GO TO WS-FOUND.
18700      GO TO WS-BUMP-2.
18710 WS-BUMP-2.
18720      MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO SEL-TAB-SS.
18730      GO TO WS-LOOP-2.
18740 WS-RESET.
18750      GO TO
18760          WS-4LEVEL-3
18770          WS-5LEVEL-3
18780      DEPENDING ON WCTR-SPLIT.
18790 WS-3LEVEL-3.
18800      GO TO WS-NOT-FOUND.
18810 WS-4LEVEL-3.
18820      IF TEST-WCTR-4 = HIGH-VALUE
18830          GO TO WS-NOT-FOUND.
18840      MOVE HIGH-VALUE TO TEST-WCTR-4.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

18850      MOVE SEL-TAB-SS1 TO SEL-TAB-START.
18860      GO TO WS-START.
18870  WS-5LEVEL-3.
18880      IF TEST-WCTR-5 = HIGH-VALUE
18890          GO TO WS-4LEVEL-3.
18900      MOVE HIGH-VALUE TO TEST-WCTR-5.
18910      MOVE SEL-TAB-SS1 TO SEL-TAB-START.
18920      GO TO WS-START.
18930  WS-FOUND.
18940      MOVE SEL-TAB-SS TO SEL-TAB-START.
18950      GO TO WS-EXIT.
18960  WS-NOT-FOUND.
18970      MOVE SZERO TO SEL-TAB-START.
18980      GO TO WS-EXIT.
18990  WS-EXIT.
19000      EXIT.
19010 *
19020 *
19030  OUTPUT-S01 SECTION.
19040 *      THE APPARENT INEFFICIENCIES RESULTING FROM FAKING AN
19050 *      "AFTER ADVANCING" BY USE OF "BEFORE ADVANCING"
19060 *      ACKNOWLEDGES THE FACT THAT HONEYWELL GCOS-BASED COBOL
19070 *      GENERATES 2 OUTPUT LINES IN AN "AFTER ADVANCING" MODE
19080 *      BECAUSE THE GCOS SYSTEM OUTPUT ROUTINES ALWAYS SLEW
19090 *      BEFORE PRINTING.  THESE 2 PRINTLINES BOTH GET COUNTED
19100 *      AGAINST THE JOB PRINTLINE LIMIT.  THIS METHOD SHOULDN'T
19110 *      CAUSE MUCH EXTRA GRIEF ON CDC CYBER MACHINES.
19120 *
19130 *
19140  S01-START.
19150      IF (LINE-CNT + DIR-SUMMARY-CC) > MAX-LINES-FER-PAGE
19160          WRITE S01-REC BEFORE ADVANCING TOP
19170          MOVE SPACE TO S01-REC
19180          WRITE S01-REC BEFORE ADVANCING THREE
19190          MOVE CDEP-VERSION TO S01-HEAD0-VERSION
19200          MOVE S01-HEADER-0 TO S01-REC
19210          WRITE S01-REC BEFORE ADVANCING ONE
19220          ADD ONE PAGE-CNT GIVING PAGE-CNT S01-H-PAGE-CNT
19230          MOVE S01-HEADER TO S01-REC
19240          WRITE S01-REC BEFORE ADVANCING ONE
19250          MOVE REPORT-GROUP-TITLE TO S01-HEAD-2-TITLE
19260          MOVE S01-HEADER-2 TO S01-REC
19270          WRITE S01-REC BEFORE ADVANCING TWO
19280          MOVE SEVEN TO LINE-CNT
19290          ADD THREE TO DIR-SUMMARY-COUNT
19300      ELSE
19310          WRITE S01-REC BEFORE ADVANCING DIR-SUMMARY-CC
19320          ADD DIR-SUMMARY-CC TO LINE-CNT.
19330      MOVE DIRECTIVE-SUMMARY-OUT TO S01-REC.
19340      ADD ONE TO DIR-SUMMARY-COUNT.
19350  S01-EXIT.
19360      EXIT.
19370 *

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

19330 *
19390 REPORT-PROCESSOR SECTION.
19400 *
19410 *
19420 RP-START.
19430     IF DIR-AT-END NOT = SZERO
19440         IF ABD6DA-AT-END NOT = SZERO
19450             PERFORM REPORT-SUMMARIZER
19460             GO TO RP-EXIT.
19470     PERFORM GET-TOKEN.
19480     IF TOKEN-1-4 = DIR-KEY-TITLE
19490         GO TO RP-TITLE-PROC.
19500     IF TOK~SIZE NOT = TWO
19510         PERFORM DIRECTIVE-TOKEN-SIZE-ERR2
19520         GO TO RP-READ-AND-LEAVE.
19530     PERFORM DUMMY
19540         VARYING RPT-ID-SS FROM RPT-ID-MAX BY MIN-ONE
19550         UNTIL RPT-ID-SS = SZERO
19560             OR RPT-ID (RPT-ID-SS) = TOKEN-1-2.
19570     IF RPT-ID-SS = SZERO
19580 *     ****DISPLAY "TOKEN-" TOKEN "-"
19590         PERFORM DIRECTIVE-WARNING-KEYWORD-ERR
19600         GO TO RP-READ-AND-LEAVE.
19610     GO TO
19620         RP-SELECTION-REPORT-PROC
19630         RP-SELECTION-REPORT-PROC
19640         RP-COMBINATION-REPORT-PROC
19650         RP-COMBINATION-REPORT-PROC
19660         RP-COMBINATION-REPORT-PROC
19670         DEPENDING ON RPT-ID-REPORT-CLASS (RPT-ID-SS).
19680     GO TO RP-READ-AND-LEAVE.
19690 RP-READ-AND-LEAVE.
19700     PERFORM GET-DIRECTIVE-AND-ECHO.
19710     MOVE ONE TO DIR-SS.
19720     PERFORM GET-TOKEN.
19730     GO TO RP-EXIT.
19740 RP-TITLE-PROC.
19750     MOVE DIR-NAME-MAX TO DIR-NAME-MAX-HOLD.
19760     MOVE DIR-TITLE-MAX TO DIR-NAME-MAX.
19770     MOVE ONE TO DIR-NAME-SW.
19780     PERFORM GET-TOKEN.
19790     MOVE TOKEN TO REPORT-GROUP-TITLE.
19800     MOVE SZERO TO DIR-NAME-SW.
19810     MOVE DIR-NAME-MAX-HOLD TO DIR-NAME-MAX.
19820     GO TO RP-READ-AND-LEAVE.
19830 RP-SELECTION-REPORT-PROC.
19840     PERFORM GET-TOKEN.
19850 *     ** RPT-ID-PRINT-CLASS HAS BEEN INITIALIZED TO "GENERATE"
19860     IF TOK-SIZE = SZERO
19870         GO TO RP-READ-AND-LEAVE.
19880     IF TOKEN-1-4 NOT = DIR-KEY-SUPPRESS
19890         PERFORM DIRECTIVE-WARNING-KEYWORD-ERR
19900         GO TO RP-READ-AND-LEAVE.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

19910      PERFORM GET-TOKEN.
19920      IF TOKEN-1-4 = DIR-KEY-REPORT
19930          MOVE TWO TO RPT-ID-PRINT-CLASS (RPT-ID-SS)
19940          GO TO RP-READ-AND-LEAVE.
19950      GO TO
19960          RP-SELECTION-ERR
19970          RP-CHECK-DETAIL-SUPPRESS
19980          DEPENDING ON RPT-ID-REPORT-CLASS (RPT-ID-SS).
19990      RP-CHECK-DETAIL-SUPPRESS.
20000      IF TOKEN-1-4 = DIR-KEY-DETAIL
20010          MOVE ONE TO RPT-ID-PRINT-CLASS (RPT-ID-SS)
20020          GO TO RP-READ-AND-LEAVE.
20030      RP-SELECTION-ERR.
20040      PERFORM DIRECTIVE-WARNING-KEYWORD-ERR.
20050      GO TO RP-READ-AND-LEAVE.
20060      RP-COMBINATION-REPORT-PROC.
20070      IF (RPT-ID-CNT (RPT-ID-SS) > SZERO
20080          AND RPT-ID-REPORT-CLASS (RPT-ID-SS) NOT = THREE)
20090          OR RPT-ID-CNT (RPT-ID-SS) > ONE
20100 *          THESE CONDITIONS DEFINE THE NUMBER OF REPORTS ALLOWED
20110 *          FOR EACH REPORT CLASS (CLASSES 1,2,4,5 CAN ONLY HAVE
20120 *          ONE REPORT EACH, CLASS 3 CAN HAVE TWO REPORTS)
20130          PERFORM DIRECTIVE-2MANY-ERR
20140          GO TO RP-READ-AND-LEAVE.
20150      IF (RPT-ID-SS = RPT-ID-CO-SS OR RPT-ID-C3-SS).
20160          AND DIR-AT-END = SZERO
20170 *          THESE CONDITIONS BEING TRUE WOULD INDICATE A USER
20180 *          DIRECTIVE IS BEING PROCESSED FOR A SPECIAL INSPECTION
20190 *          OR LRU-OFF-EQUIPMENT REPORT. THESE ARE NOT ALLOWED AT
20200 *          THIS TIME SINCE THEY ARE BEING GENERATED INTERNALLY
20210 *          AS THE RESULT OF OTHER PROCESSING.
20220          PERFORM DIRECTIVE-WARNING-KEYWORD-ERR
20230          GO TO RP-READ-AND-LEAVE.
20240      RP-C4-RPT-LOOP.
20250      PERFORM GET-SEL-TAB-SLOT.
20260      IF TOKEN-1-2 = LRU-OFF-EQUIP-ID
20270 *          THIS CHECK IS NEEDED INSTEAD OF A CHECK AGAINST
20280 *          THE RPT-ID-SS FOR THE LRU-OFF-EQUIP REPORT BECAUSE
20290 *          THIS REPORT DIRECTIVE IS GENERATED DURING SRD
20300 *          PROCESSING AS THE RESULT OF A USER DIRECTIVE FOR AN
20310 *          SRU-OFF-EQUIP REPORT AND IT WAS NECESSARY TO GET
20320 *          IT THRU THE SCREEN IN THE PREVIOUS CONDITIONAL STATE-
20330 *          MENT.
20340          MOVE SEL-TAB-LINK1 (RPT-START) TO
20350              SEL-TAB-LINK1 (SEL-TAB-SS)
20360          MOVE RPT-ID-C3-SS TO RPT-ID-SS
20370      ELSE
20380          MOVE SZERO TO SEL-TAB-LINK1 (SEL-TAB-SS).
20390      MOVE RPT-ID-REPORT-CLASS (RPT-ID-SS) TO
20400          SEL-TAB-KEY-1-NUM (SEL-TAB-SS).
20410      MOVE TOKEN-2 TO SEL-TAB-KEY-3 (SEL-TAB-SS).
20420      ADD ONE RPT-ID-CNT (RPT-ID-SS) GIVING

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

20430      RPT-ID-CNT (RPT-ID-SS)
20440      SEL-TAB-KEY-4-NUM (SEL-TAB-SS).
20450      MOVE RPT-START TO SEL-TAB-LINK2 (SEL-TAB-SS).
20460      MOVE SEL-TAB-SS TO
20470          SEL-TAB-SS2
20480      RPT-START.
20490      IF ABD4DA-AT-END = SZERO
20500          GO TO RP-EXIT.
20510      PERFORM GET-DIRECTIVE-AND-ECHO.
20520      MOVE ONE TO DIR-SS.
20530      PERFORM GET-TOKEN.
20540      IF TOKEN-1-3 = DIR-KEY-SRD
20550          PERFORM SRD-PROCESSOR
20560          IF DIR-STACK-SS = SZERO
20570              GO TO RP-EXIT
20580          ELSE
20590              MOVE DIRECTIVE TO TOKEN-1-2
20600              GO TO RP-C4-RPT-LOOP.
20610      GO TO RP-SRD-ERROR.
20620      RP-SRD-ERROR.
20630      MOVE DIRECTIVE-WARNING-NO-SRD TO DIRECTIVE-OUT.
20640      MOVE ONE TO DIR-LIST-CC.
20650      PERFORM OUTPUT-DIRECTIVE.
20660      RP-EXIT.
20670      EXIT.
20680 *
20690 *
20700      REPORT-SUMMARIZER SECTION.
20710 *
20720 *
20730      RS-START.
20740      MOVE SPACE TO DIRECTIVE.
20750      MOVE ONE TO DIR-SS.
20760      MOVE COMMA TO DIR-SPACER.
20770      MOVE SRD-START TO SEL-TAB-SS.
20780      OPEN OUTPUT
20790          S01-INDEX-FILE
20800          SRD-WDC-RPT-INDEX-FILE.
20810      MOVE REPORT-GROUP-TITLE TO D-S-SEL-3-TITLE-2.
20820      MOVE DIRECTIVE-SUMMARY-SELECT-3 TO DIRECTIVE-SUMMARY-OUT.
20830      MOVE TWO TO DIR-SUMMARY-CC.
20840      PERFORM OUTPUT-S01.
20850      PERFORM OUTPUT-S01-INDEX.
20860      MOVE SPACE TO
20870          D-S-SEL-3-TITLE-1
20880          D-S-SEL-3-TITLE-2.
20890      RS-ALL-SRDS-LOOP.
20900      IF SEL-TAB-SS = SZERO
20910          MOVE DIRECTIVE TO D-S-SEL-5-SRDS
20920          GO TO RS-SELECTION-RPT-SUMMARY.
20930      MOVE SEL-TAB-KEY-1-3 (SEL-TAB-SS) TO TOKEN.
20940      PERFORM PUT-TOKEN.
20950      PERFORM BUMP-SEL-TAB-SS.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

20960      GO TO RS-ALL-SRDS-LOOP.
20970 RS-SELECTION-RPT-SUMMARY.
20980      PERFORM SELECTION-REPORT-SUMMARIZER
20990          VARYING RPT-ID-SS FROM ONE BY ONE
21000          UNTIL RPT-ID-REPORT-CLASS (RPT-ID-SS) > TWO.
21010      IF (LINE-CNT + THREE) > MAX-LINES-PER-PAGE
21020          MOVE N-100 TO LINE-CNT.
21030      MOVE DIRECTIVE-SUMMARY-SELECT-4 TO DIRECTIVE-SUMMARY-OUT.
21040      MOVE TWO TO DIR-SUMMARY-CC.
21050      PERFORM OUTPUT-S01.
21060      PERFORM OUTPUT-S01-INDEX.
21070      MOVE ONE TO DIR-SUMMARY-CC.
21080      MOVE DIRECTIVE-SUMMARY-SELECT-5 TO DIRECTIVE-SUMMARY-OUT.
21090      PERFORM OUTPUT-S01.
21100      PERFORM OUTPUT-S01-INDEX.
21110 RS-COMBI-SUMMARY.
21120      MOVE RPT-START TO RPT-SS.
21130      MOVE DIRECTIVE-SUMMARY-SELECT-6 TO DIRECTIVE-SUMMARY-OUT.
21140      MOVE THREE TO DIR-SUMMARY-CC.
21150      PERFORM OUTPUT-S01.
21160      PERFORM OUTPUT-S01-INDEX.
21170 RS-RPT-LOOP.
21180      IF RPT-SS = SZERO
21190          CLOSE
21200              S01-INDEX-FILE
21210              SRD-WDC-RPT-INDEX-FILE
21220      GO TO RS-EXIT.
21230 *      * BUILD THE REPORT NAME DETAIL FOR CURRENT COMBI REPORT
21240      MOVE SEL-TAB-KEY-3 (RPT-SS) TO D-S-SEL-7-RPT-ID-1.
21250      MOVE SEL-TAB-KEY-4 (RPT-SS) TO D-S-SEL-7-RPT-ID-2.
21260      MOVE DIRECTIVE-SUMMARY-SELECT-7 TO
21270          DIRECTIVE-SUMMARY-OUT.
21280      MOVE TWO TO DIR-SUMMARY-CC.
21290      PERFORM OUTPUT-S01.
21300      PERFORM OUTPUT-S01-INDEX.
21310 *      * BUILD THE WDC NAME + CODE DETAILS FOR CURRENT COMBI RPT
21320      MOVE SPACE TO DIRECTIVE.
21330      IF SEL-TAB-LINK1 (RPT-SS) = SZERO
21340          IF SEL-TAB-KEY-3 (RPT-SS) NOT =
21350              RPT-ID-2 (RPT-ID-CO-SS)
21360 *          * DIRECTIVE ALREADY BLANK
21370          PERFORM STACK-DIRECTIVE
21380          MOVE DIRECTIVE-SUMMARY-NO-WDCS TO DIRECTIVE
21390          PERFORM STACK-DIRECTIVE
21400          GO TO RS-START-SRD-DETAIL
21410      ELSE
21420          MOVE WDC-NAME-CO-RPT TO D-S-SEL-9-WDC-NAME
21430          MOVE WDC-NAME-CO-CODE TO D-S-SEL-10-WDC-CODES
21440          MOVE DIRECTIVE-SUMMARY-SELECT-10 TO DIRECTIVE
21450          PERFORM STACK-DIRECTIVE
21460          MOVE DIRECTIVE-SUMMARY-SELECT-9 TO DIRECTIVE
21470          PERFORM STACK-DIRECTIVE
21480          GO TO RS-START-SRD-DETAIL.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

21490      MOVE SEL-TAB-LINK1 (RPT-SS) TO WDC-SS.
21500      MOVE SEL-TAB-LINK1 (WDC-SS) TO WDC-NAME-SS.
21510      MOVE WDC-NAME (WDC-NAME-SS) TO D-S-SEL-9-WDC-NAME.
21520 *      * DIRECTIVE ALREADY BLANK
21530      MOVE COMMA TO DIR-SPACER.
21540      MOVE ONE TO DIR-SS.
21550  RS-WDC-DETAIL-LOOP.
21560      IF WDC-SS = SZERO
21570          MOVE DIRECTIVE TO D-S-SEL-10-WDC-CODES
21580          MOVE DIRECTIVE-SUMMARY-SELECT-10 TO DIRECTIVE
21590          PERFORM STACK-DIRECTIVE
21600          MOVE DIRECTIVE-SUMMARY-SELECT-9 TO DIRECTIVE
21610          PERFORM STACK-DIRECTIVE
21620          GO TO RS-START-SRD-DETAIL.
21630      MOVE SEL-TAB-KEY-1 (WDC-SS) TO TOKEN.
21640      PERFORM PUT-TOKEN.
21650      MOVE SEL-TAB-LINK2 (WDC-SS) TO WDC-SS.
21660      GO TO RS-WDC-DETAIL-LOOP.
21670  RS-START-SRD-DETAIL.
21680 *      * BUILD THE SRD DETAIL FOR CURRENT COMBI REPORT
21690      MOVE SRD-START TO SRD-SS.
21700      MOVE SZERO TO SEL-TAB-CNT.
21710      MOVE SPACE TO DIRECTIVE.
21720      MOVE COMMA TO DIR-SPACER.
21730      MOVE ONE TO DIR-SS.
21740  RS-SRD-DETAIL-LOOP.
21750      IF SRD-SS = SZERO
21760          GO TO RS-OUTPUT-COMBI-DETAILS.
21770      MOVE SEL-TAB-LINK1 (SRD-SS) TO SEL-TAB-SS.
21780 *      * DETERMINE IF CURRENT SRD APPEARS ON CURRENT COMBI RPT
21790  RS-SRD-RPT-LOOP.
21800      IF SEL-TAB-SS = SZERO
21810          MOVE SEL-TAB-LINK2 (SRD-SS) TO SRD-SS
21820          GO TO RS-SRD-DETAIL-LOOP.
21830      IF SEL-TAB-LINK1 (SEL-TAB-SS) NOT = RPT-SS
21840          MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO SEL-TAB-SS
21850          GO TO RS-SRD-RPT-LOOP.
21860 *      * CURRENT SRD DOES APPEAR ON CURRENT COMBI REPORT.
21870 *      * ENTER IT ONTO SRD DETAIL
21880      ADD ONE TO SEL-TAB-CNT.
21890      MOVE SEL-TAB-KEY-1-3 (SRD-SS) TO TOKEN.
21900      PERFORM PUT-TOKEN.
21910 *      * BUILD+OUTPUT THE SRD-WDC-RPT-INDEX FILE RECORDS FOR
21920 *      * THE CURRENT SRD AND CURRENT COMBI REPORT
21930      MOVE SEL-TAB-LINK1 (RPT-SS) TO WDC-SS.
21940      MOVE TOKEN-1 TO S-W-R-I-D-SRD-1.
21950      MOVE SEL-TAB-KEY-3 (RPT-SS) TO S-W-R-I-D-RPT-ID-1.
21960      MOVE SEL-TAB-KEY-4 (RPT-SS) TO S-W-R-I-D-RPT-ID-2.
21970      GO TO
21980          RS-S-W-R-INDEX-ON-EQUIP
21990          RS-S-W-R-INDEX-ON-EQUIP
22000          RS-S-W-R-INDEX-OFF-EQUIP
22010          RS-END-OF-THIS-SRD

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

22020      DEPENDING ON SEL-TAB-KEY-3-NUM (RPT-SS).
22030      RS-S-W-R-INDEX-SPEC--INSP.
22040      GO TO RS-END-OF-THIS-SRD.
22050      RS-S-W-R-INDEX-ON-EQUIP.
22060      MOVE ON-EQUIP-FLAG TO S-W-R-I-D-6DA-REC-ID.
22070      GO TO RS-S-W-R-INDEX-WDC-LOOP.
22080      RS-S-W-R-INDEX-OFF-EQUIP.
22090      MOVE OFF-EQUIP-FLAG TO S-W-R-I-D-6DA-REC-ID.
22100      GO TO RS-S-W-R-INDEX-WDC-LOOP.
22110      RS-S-W-R-INDEX-WDC-LOOP.
22120      IF WDC-SS = SZERO
22130          GO TO RS-END-OF-THIS-SRD.
22140      MOVE SEL-TAB-KEY-1 (WDC-SS) TO S-W-R-I-D-WDC.
22150      WRITE SRD-WDC-RPT-INDEX-REC FROM SRD-WDC-RPT-INDEX-DETAIL.
22160      MOVE SEL-TAB-LINK2 (WDC-SS) TO WDC-SS.
22170      GO TO RS-S-W-R-INDEX-WDC-LOOP.
22180      RS-END-OF-THIS-SRD.
22190      MOVE SEL-TAB-LINK2 (SRD-SS) TO SRD-SS.
22200      GO TO RS-SRD-DETAIL-LOOP.
22210      RS-OUTPUT-COMBI-DETAILS.
22220      *      * OUTPUT THE SRD + WDC DETAIL LINES FOR CURRENT COMBI RPT
22230      MOVE ONE TO DIR-SUMMARY-CC.
22240      IF SEL-TAB-CNT = SZERO
22250          MOVE DIRECTIVE-SUMMARY-NO-SRDS TO
22260          DIRECTIVE-SUMMARY-OUT
22270      ELSE
22280          MOVE DIRECTIVE TO D-S-SEL-8-SRDS
22290          MOVE DIRECTIVE-SUMMARY-SELECT-8 TO
22300          DIRECTIVE-SUMMARY-OUT.
22310      PERFORM OUTPUT-S01.
22320      PERFORM OUTPUT-S01-INDEX.
22330      PERFORM GET-DIRECTIVE-AND-ECHO.
22340      MOVE DIRECTIVE TO DIRECTIVE-SUMMARY-OUT.
22350      PERFORM OUTPUT-S01.
22360      PERFORM OUTPUT-S01-INDEX.
22370      PERFORM GET-DIRECTIVE-AND-ECHO.
22380      MOVE DIRECTIVE TO DIRECTIVE-SUMMARY-OUT.
22390      PERFORM OUTPUT-S01.
22400      PERFORM OUTPUT-S01-INDEX.
22410      MOVE SEL-TAB-LINK2 (RPT-SS) TO RPT-SS.
22420      GO TO RS-RPT-LOOP.
22430      RS-EXIT.
22440      EXIT.
22450      *
22460      *
22470      SELECTION-REPORT-SUMMARIZER SECTION.
22480      *
22490      *
22500      SRS-START.
22510      MOVE LOW-VALUE TO SEL-H-KEY.
22520      MOVE SPACE TO SEL-H-DATA.
22530      MOVE RPT-ID-2 (RPT-ID-SS) TO SEL-H-KEY-RPT.
22540      MOVE RPT-ID-PRINT-CLASS (RPT-ID-SS) TO SEL-H-OPTION.

```

FIGURE G-1. J05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

22550      MOVE RPT-ID (RPT-ID-SS) TO D-S-SEL-3-RPT-ID.
22560      GO TO
22570          SRS-SUPPRESS-DETAIL
22580          SRS-SUPPRESS-REPORT
22590          DEPENDING ON RPT-ID-PRINT-CLASS (RPT-ID-SS).
22600  SRS-GENERATE-RPT.
22610      MOVE DIRECTIVE-SUMMARY-RPT-GEN TO
22620          D-S-SEL-3-SELECTION-BLOCK-1.
22630      MOVE SPACE TO D-S-SEL-3-SELECTION-BLOCK-2.
22640      GO TO SRS-OUTPUT-SELECTION.
22650  SRS-SUPPRESS-DETAIL.
22660      MOVE DIRECTIVE-SUMMARY-RPT-GEN TO
22670          D-S-SEL-3-SELECTION-BLOCK-1.
22680      MOVE DIRECTIVE-SUMMARY-DTL-SUP TO
22690          D-S-SEL-3-SELECTION-BLOCK-2.
22700      GO TO SRS-OUTPUT-SELECTION.
22710  SRS-SUPPRESS-REPORT.
22720      MOVE DIRECTIVE-SUMMARY-RPT-SUP TO
22730          D-S-SEL-3-SELECTION-BLOCK-1.
22740      MOVE SPACE TO D-S-SEL-3-SELECTION-BLOCK-2.
22750      GO TO SRS-OUTPUT-SELECTION.
22760  SRS-OUTPUT-SELECTION.
22770      MOVE DIRECTIVE-SUMMARY-SELECT-3 TO DIRECTIVE-SUMMARY-OUT.
22780      MOVE TWO TO DIR-SUMMARY-CC.
22790      PERFORM OUTPUT-S01.
22800      GO TO
22810          SRS-SET-TITLE
22820          SRS-OUTPUT-SELECT
22830          SRS-SET-SORTIES-F-H
22840          SRS-SET-TITLE
22850          SRS-SET-TITLE
22860          SRS-SET-TITLE
22870          SRS-SET-TITLE
22880          SRS-SET-TITLE
22890          DEPENDING ON RPT-ID-SS.
22900  SRS-SET-SORTIES-F-H.
22910      MOVE SORTIE-FLY-HRS-COUNT TO SEL-H-SORTIE-F-H-CNT.
22920      IF SORTIE-FLY-HRS-SW = ONE
22930          MOVE SORTIE-TITLE TO SEL-H-SORTIE-F-H-TITLE
22940      ELSE
22950          MOVE FLY-HRS-TITLE TO SEL-H-SORTIE-F-H-TITLE.
22960      GO TO SRS-OUTPUT-SELECT.
22970  SRS-SET-TITLE.
22980      MOVE REPORT-GROUP-TITLE TO SEL-H-SRDS.
22990      GO TO SRS-OUTPUT-SELECT.
23000  SRS-OUTPUT-SELECT.
23010      WRITE SELECTION-RECORD FROM SELECTION-HEADER.
23020  SRS-EXIT.
23030      EXIT.
23040 *
23050 *
23060  SRD-PROCESSOR SECTION.
23070 *

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

23080 *
23090 SRDP-START.
23100 GO TO
23110 SRDP-EXIT
23120 SRDP-EXIT
23130 SRDP-FOR-ON-EQUIP-RPT
23140 SRDP-FOR-OFF-EQUIP-RPT
23150 SRDP-FOR-SPEC-INSP-RPT
23160 DEPENDING ON RPT-ID-REPORT-CLASS (RPT-ID-SS).
23170 SRDP-FOR-ON-EQUIP-RPT.
23180 MOVE DIR-SS TO DIR-SS-HOLD.
23190 MOVE SPACE TO DIR-HOLD-SRD-PREFIX.
23200 PERFORM SRD-ON-EQ-CHECK-CONSIST
23210 UNTIL DIR-SS > DIR-MAX.
23220 MOVE DIR-SS-HOLD TO DIR-SS.
23230 GO TO SRDP-PROCESS-DIRECTIVE.
23240 SRDP-FOR-OFF-EQUIP-RPT.
23250 GO TO SRDP-PROCESS-DIRECTIVE.
23260 SRDP-FOR-SPEC-INSP-RPT.
23270 * IF NO SPEC-INSP RPT EXISTS, GO+CREATE ONE
23280 * RPT-ID-SS FOR THIS RPT CAN ONLY BE SET DURING ABD6DA
23290 * FILE PROCESSING
23300 IF RPT-ID-CNT (RPT-ID-SS) = SZERO
23310 GO TO SRDP-SET-NEW-CO-RPT.
23320 * THE SELECTION TABLE SPECIAL INSPECTION REPORT IS
23330 * POINTED TO BY RPT-START AS THE RESULT OF A PRIOR
23340 * EXECUTION OF SRDP-SET-NEW-CO-RPT
23350 * CHECK TO SEE THAT THE SRD IS NOT ALREADY SET UP FOR
23360 * THE SPEC-INSP REPORT--THE MOST RECENT RPT-SRD LINKAGE
23370 * ENTRY FOR THE SRD WILL INDICATE THE CONDITION
23380 * SRD-SS HAS BEEN SET DURING ABD6DA FILE PROCESSING.
23390 * AND HAS BEEN DEFINED IN THE SELECTION TABLE DURING
23400 * THE DIRECTIVES PROCESSING PHASE OF THE PROGRAM
23410 MOVE SEL-TAB-LINK1 (SRD-SS) TO SEL-TAB-SS.
23420 IF SEL-TAB-KEY-1-NUM (SEL-TAB-SS) =
23430 RPT-ID-REPORT-CLASS (RPT-ID-SS)
23440 GO TO SRDP-EXIT.
23450 * IGNORE THE SPEC-INSP SRD IF MORE THAN THE MAX FOR 1
23460 * REPORT. THE COUNT IS INITIALIZED IN SRDP-SET-NEW-CO-RPT
23470 IF RPT-ID-CO-SRD-CNT < SRD-MAX
23480 GO TO SRDP-BEGIN-CO-SRD-LINK.
23490 GO TO SRDP-EXIT.
23500 SRDP-SET-NEW-CO-RPT.
23510 MOVE RPT-ID (RPT-ID-SS) TO DIRECTIVE.
23520 MOVE ONE TO DIR-SS.
23530 PERFORM REPORT-PROCESSOR.
23540 MOVE SZERO TO RPT-ID-CO-SRD-CNT.
23550 SRDP-BEGIN-CO-SRD-LINK.
23560 * THE SELECTION TABLE INDEX FOR SPEC-INSP REPORT IS ALWAYS
23570 * IN RPT-START BY THIS TIME (SINCE IT WAS THE LAST ONE
23580 * ENTERED IN THE TABLE
23590 MOVE RPT-START TO SEL-TAB-SS2.
23600 MOVE SRD-SS TO SEL-TAB-SS3.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

23610      ADD ONE TO RPT-ID-CO-SRD-CNT.
23620      PERFORM SRDP-SET-SRD-RPT-LINKAGE.
23630      GO TO SRDP-EXIT.
23640  SRDP-PROCESS-DIRECTIVE.
23650      MOVE SZERO TO SEL-TAB-CNT.
23660  SRDP-PROCESS-DIRECTIVE-LOOP.
23670      IF DIR-SS > DIR-MAX
23680          GO TO SRDP-SET-NEXT-DIRECTIVE.
23690      PERFORM GET-TOKEN.
23700      IF TOK-SIZE = SZERO
23710          GO TO SRDP-PROCESS-DIRECTIVE-LOOP.
23720      IF TOK-SIZE NOT = THREE
23730          PERFORM DIRECTIVE-TOKEN-SIZE-ERR3
23740          GO TO SRDP-PROCESS-DIRECTIVE-LOOP.
23750      ADD ONE TO SEL-TAB-CNT.
23760      IF SEL-TAB-CNT > SRD-MAX
23770          PERFORM DIRECTIVE-TOKEN-2MANY-ERR
23780          GO TO SRDP-SET-NEXT-DIRECTIVE.
23790      MOVE SRD-START TO SEL-TAB-SS.
23800      PERFORM BUMP-SEL-TAB-SS
23810          UNTIL SEL-TAB-SS = SZERO
23820              OR TOKEN-1-3 = SEL-TAB-KEY-1-3 (SEL-TAB-SS).
23830      IF SEL-TAB-SS = SZERO
23840          ADD ONE TO SRD-CNT
23850          IF SRD-CNT > SRD-MAX
23860              SUBTRACT ONE FROM SEL-TAB-CNT
23870              SUBTRACT ONE FROM SRD-CNT
23880              PERFORM DIRECTIVE-TOKEN-2MANY-ERR
23890              GO TO SRDP-SET-NEXT-DIRECTIVE
23900          ELSE
23910              MOVE SRD-START TO SEL-TAB-START
23920              PERFORM INSERT-IN-SEL-TABLE
23930              MOVE SZERO TO SEL-TAB-LINK1 (SEL-TAB-SS)
23940              MOVE SEL-TAB-START TO SRD-START.
23950      MOVE SEL-TAB-SS TO SEL-TAB-SS3.
23960      MOVE SEL-TAB-LINK1 (SEL-TAB-SS) TO SEL-TAB-SS.
23970      PERFORM BUMP-SEL-TAB-SS
23980          UNTIL SEL-TAB-SS = SZERO
23990              OR SEL-TAB-LINK1 (SEL-TAB-SS) = SEL-TAB-SS2.
24000 *      THE SECOND CONDITION ABOVE INDICATES THAT THE SRD WAS
24010 *      DUPLICATED IN THE CURRENT DIRECTIVE + IS IGNORED
24020      IF SEL-TAB-SS NOT = SZERO
24030          SUBTRACT ONE FROM SEL-TAB-CNT
24040          GO TO SRDP-PROCESS-DIRECTIVE-LOOP.
24050      PERFORM SRDP-SET-SRD-RPT-LINKAGE.
24060      GO TO SRDP-PROCESS-DIRECTIVE-LOOP.
24070  SRDP-SET-SRD-RPT-LINKAGE.
24080      PERFORM GET-SEL-TAB-SLOT.
24090      MOVE SEL-TAB-LINK1 (SEL-TAB-SS3) TO
24100          SEL-TAB-LINK2 (SEL-TAB-SS).
24110      MOVE SEL-TAB-SS TO SEL-TAB-LINK1 (SEL-TAB-SS3).
24120      MOVE SEL-TAB-SS2 TO SEL-TAB-LINK1 (SEL-TAB-SS).
24130      MOVE SEL-TAB-KEY (SEL-TAB-SS2) TO

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

24140         SEL-TAB-KEY (SEL-TAB-SS).
24150     SRDP-SET-NEXT-DIRECTIVE.
24160         IF SEL-TAB-CNT = SZERO
24170             MOVE DIRECTIVE-WARNING-SRD-EMPTY TO DIRECTIVE-OUT
24180             MOVE ONE TO DIR-LIST-CC
24190             PERFORM OUTPUT-DIRECTIVE
24200             PERFORM GET-DIRECTIVE-AND-ECHO
24210             MOVE ONE TO DIR-SS
24220             GO TO SRDP-EXIT.
24230     GO TO
24240         SRDP-EXIT
24250         SRDP-EXIT
24260         SRDP-SET-NEXT-FROM-ON-EQ
24270         SRDP-SET-NEXT-FROM-OFF-EQ
24280         SRDP-EXIT
24290         DEPENDING ON RPT-ID-REPORT-CLASS (RPT-ID-SS).
24300     SRDP-SET-NEXT-FROM-OFF-EQ.
24310         MOVE DIRECTIVE TO DIRECTIVE-HOLD.
24320 *         THE ABOVE "MOVE" HANGS ON TO THE SRD DIRECTIVE IN CASE
24330 *         CONDITIONS (DETERMINED BELOW) REQUIRE THAT IT BE USED
24340 *         AGAIN
24350         PERFORM GET-DIRECTIVE-AND-ECHO.
24360         MOVE ONE TO DIR-SS.
24370         PERFORM GET-TOKEN.
24380         IF RPT-ID-SS = RPT-ID-C3-SS
24390             GO TO SRDP-EXIT.
24400         IF TOKEN-1-3 NOT = DIR-KEY-WDC
24410             MOVE DIRECTIVE-WARNING-NO-WDCS TO DIRECTIVE-OUT
24420             MOVE ONE TO DIR-LIST-CC
24430             PERFORM OUTPUT-DIRECTIVE
24440             GO TO SRDP-EXIT.
24450         PERFORM WDC-PROCESSOR.
24460         PERFORM GET-DIRECTIVE-AND-ECHO.
24470         IF RPT-ID-SS NOT = RPT-ID-C4-SS
24480             MOVE ONE TO DIR-SS
24490             PERFORM GET-TOKEN
24500             GO TO SRDP-EXIT.
24510 *         SET UP THE C3 REPORT DUMMY DIRECTIVE AND ITS
24520 *         CORRESPONDING SRD DIRECTIVE (FROM DIRECTIVE-HOLD) FOR
24530 *         PROCESSING BY REPORT-PROCESSOR
24540         PERFORM STACK-DIRECTIVE.
24550         MOVE DIRECTIVE-HOLD TO DIRECTIVE.
24560         PERFORM STACK-DIRECTIVE.
24570         MOVE RPT-ID (RPT-ID-C3-SS) TO DIRECTIVE.
24580         GO TO SRDP-EXIT.
24590     SRDP-SET-NEXT-FROM-ON-EQ.
24600         GO TO SRDP-SET-NEXT-FROM-OFF-EQ.
24610 *         IF IT BECOMES DISIREABLE TO PROCESS DEFAULT WDC SETS
24620 *         FOR VARIOUS INDIVIDUAL REPORTS, THAT CODE WOULD NEED
24630 *         TO EXIST IN THIS PARAGRAPH.
24640 *         (SRDP-SET-NEXT-FROM-OFF-EQ WOULD ALSO NEED TO
24650 *         BE MODIFIED)
24660     SRDP-EXIT.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

24670      EXIT.
24680 *
24690 *
24700  SRD-ON-EQ-CHECK-CONSIST SECTION.
24710 *
24720 *
24730  SOECC-START.
24740      PERFORM GET-TOKEN.
24750      IF TOK-SIZE = SZERO
24760          GO TO SOECC-EXIT.
24770      IF TOK-SIZE NOT = THREE
24780          PERFORM DIRECTIVE-TOKEN-SIZE-ERR3
24790          GO TO SOECC-BLANK-TOKEN.
24800      IF TOKEN-1 NOT = DIR-HOLD-SRD-PREFIX
24810          IF DIR-HOLD-SRD-PREFIX = SPACE
24820              MOVE TOKEN-1 TO DIR-HOLD-SRD-PREFIX
24830              GO TO SOECC-EXIT
24840      ELSE
24850          MOVE DIR-TOK-SS TO DISPLAY-NUM
24860          MOVE DISP-NUM-2 TO D-W-SRD-NUM-1
24870          MOVE DIR-SS TO DISPLAY-NUM
24880          MOVE DISP-NUM-2 TO D-W-SRD-NUM-2
24890          MOVE DIRECTIVE-WARNING-SRD TO DIRECTIVE-OUT
24900          MOVE ONE TO DIR-LIST-CC
24910          PERFORM OUTPUT-DIRECTIVE
24920          GO TO SOECC-BLANK-TOKEN.
24930      GO TO SOECC-EXIT.
24940  SOECC-BLANK-TOKEN.
24950      PERFORM SOECC-BLANK-IT
24960          VARYING TOK-SS FROM DIR-TOK-SS BY ONE
24970          UNTIL TOK-SS = DIR-SS.
24980      GO TO SOECC-EXIT.
24990  SOECC-BLANK-IT.
25000      MOVE SPACE TO DIR (TOK-SS).
25010  SOECC-EXIT.
25020      EXIT.
25030 *
25040 *
25050  WDC-PROCESSOR SECTION.
25060 *
25070 *
25080  WDCP-START.
25090      MOVE DIR-SS TO DIR-SS-HOLD.
25100      PERFORM GET-TOKEN.
25110      IF TOK-SIZE > ONE
25120          GO TO WDCP-CHECK-NAME-ID.
25130      PERFORM GET-TOKEN
25140          UNTIL TOK-SIZE > ONE
25150          OR DIR-SS > DIR-MAX.
25160      IF TOK-SIZE > ONE
25170          IF TOKEN-1-4 NOT = DIR-KEY-NAME
25180              MOVE WDC-NO-NAME TO TOKEN-1-15
25190              GO TO WDCP-INSERT-NAME

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

25200         ELSE
25210             MOVE ONE TO DIR-NAME-SW
25220             PERFORM GET-TOKEN
25230             MOVE SZERO TO DIR-NAME-SW
25240             IF TOKEN-1-15 NOT = SPACE
25250                 GO TO WDCP-CHECK-NEW-NAME.
25260             MOVE WDC-NO-NAME TO TOKEN-1-15.
25270             GO TO WDCP-INSERT-NAME.
25280         WDCP-CHECK-NEW-NAME.
25290             PERFORM DUMMY
25300             VARYING WDC-NAME-SS FROM WDC-NAME-TOP BY MIN-ONE
25310             UNTIL WDC-NAME-SS = SZERO
25320                 OR WDC-NAME (WDC-NAME-SS) = TOKEN-1-15.
25330             IF WDC-NAME-SS = SZERO
25340                 GO TO WDCP-INSERT-NAME.
25350             MOVE DIRECTIVE-WARNING-DUP-WDC-NAME TO DIRECTIVE-OUT.
25360             MOVE ONE TO DIR-LIST-CC.
25370             PERFORM OUTPUT-DIRECTIVE.
25380             GO TO WDCP-LINK-WDCS-TO-RPT.
25390         WDCP-CHECK-NAME-ID.
25400 *         THE ONLY WAY TO GET HERE IS IF THE 1ST TOKEN FOLLOWING
25410 *         THE WDC KEYWORD ON THE DIRECTIVE IS NOT IN THE FORM OF
25420 *         A WDC. THIS MEANS THAT A DEFAULT WDC SET NAME IS BEING
25430 *         USED. THEREFORE, THE WDC-NAME TABLE SHOULD BE SET UP
25440 *         WITH NO DEFAULT NAMES UNTIL THIS OPTION IS TO BE
25450 *         INCORPORATED INTO THE SYSTEM.
25460             PERFORM DUMMY
25470             VARYING WDC-NAME-SS FROM WDC-NAME-TOP BY MIN-ONE
25480             UNTIL WDC-NAME-SS = SZERO
25490                 OR WDC-NAME-ID (WDC-NAME-SS) = TOKEN-1-4.
25500             IF WDC-NAME-SS = SZERO
25510                 PERFORM DIRECTIVE-WARNING-KEYWORD-ERR
25520                 GO TO WDCP-EXIT.
25530             IF WDC-NAME-START (WDC-NAME-SS) NOT = SZERO
25540                 GO TO WDCP-LINK-WDCS-TO-RPT.
25550             MOVE WDC-NAME-WDCS (WDC-NAME-SS) TO DIRECTIVE.
25560             MOVE ONE TO DIR-SS.
25570             GO TO WDCP-INSERT-WDCS.
25580         WDCP-INSERT-NAME.
25590             ADD ONE WDC-NAME-TOP GIVING
25600                 WDC-NAME-TOP
25610                 WDC-NAME-SS.
25620             IF WDC-NAME-TOP > WDC-NAME-MAX
25630                 MOVE TWO TO DIR-LIST-CC
25640                 MOVE DIRECTIVE-WARNING-STARTS TO DIRECTIVE-OUT
25650                 PERFORM OUTPUT-DIRECTIVE
25660                 MOVE DIRECTIVE-FATAL-WDC-TAB-2MANY TO DIRECTIVE-OUT
25670                 PERFORM OUTPUT-DIRECTIVE
25680                 MOVE DIRECTIVE-WARNING-STARTS TO DIRECTIVE-OUT
25690                 PERFORM OUTPUT-DIRECTIVE 2 TIMES
25700                 MOVE SZERO TO DIR-LIST-CC
25710                 PERFORM OUTPUT-DIRECTIVE
25720                 CLOSE DIRECTIVE-LIST-FILE

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

25730      STOP RUN.
25740      MOVE TOKEN-1-15 TO WDC-NAME (WDC-NAME-SS).
25750      MOVE SPACE TO WDC-NAME-ID (WDC-NAME-SS).
25760      MOVE DIR-SS-HOLD TO DIR-SS.
25770      GO TO WDCP-INSERT-WDCS.
25780 WDCP-INSERT-WDCS.
25790      MOVE SZERO TO
25800          SEL-TAB-START
25810          SEL-TAB-CNT.
25820 WDCP-INSERT-WDCS-LOOP.
25830      PERFORM GET-TOKEN.
25840      IF TOK-SIZE > ONE
25850          GO TO WDCP-SET-START.
25860      IF TOK-SIZE = SZERO
25870          GO TO WDCP-INSERT-WDCS-LOOP.
25880      ADD ONE TO SEL-TAB-CNT.
25890      IF SEL-TAB-CNT > WDC-MAX
25900          PERFORM DIRECTIVE-TOKEN-2MANY-ERR
25910          GO TO WDCP-SET-START.
25920      PERFORM INSERT-IN-SEL-TABLE.
25930      IF DIR-SS NOT > DIR-MAX
25940          GO TO WDCP-INSERT-WDCS-LOOP.
25950 WDCP-SET-START.
25960      MOVE SEL-TAB-START TO WDC-NAME-START (WDC-NAME-SS).
25970      IF SEL-TAB-CNT = SZERO
25980          MOVE DIRECTIVE-WARNING-WDC-EMPTY TO DIRECTIVE-OUT
25990          MOVE ONE TO DIR-LIST-CC
26000          PERFORM OUTPUT-DIRECTIVE
26010          GO TO WDCP-EXIT.
26020      MOVE WDC-NAME-SS TO SEL-TAB-LINK1 (SEL-TAB-SS).
26030 WDCP-LINK-WDCS-TO-RPT.
26040      MOVE WDC-NAME-START (WDC-NAME-SS) TO
26050          SEL-TAB-LINK1 (SEL-TAB-SS2).
26060 WDCP-EXIT.
26070      EXIT.
26080 *
26090 *
26100 WORKCENTER-AFSC-PROCESSOR SECTION.
26110 *
26120 *
26130 WAP-START.
26140      IF DIR-AT-END NOT = SZERO
26150          GO TO WAP-SUMMARIZE.
26160 WAP-LOOP.
26170      PERFORM GET-DIRECTIVE-AND-ECHO.
26180      IF DIR-AT-END NOT = SZERO
26190          GO TO WAP-BUILD-INDEX.
26200      MOVE ONE TO DIR-SS.
26210      PERFORM GET-TOKEN.
26220      IF TOKEN-1-3 = DIR-KEY-END
26230          GO TO WAP-BUILD-INDEX.
26240      MOVE HIGH-VALUE TO TEST-WCTR-1-5.
26250      GO TO

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

26260      WAP-ERR-1
26270      WAP-ERR-1
26280      WAP-3LEVEL-WCTR
26290      WAP-4LEVEL-WCTR
26300      WAP-5LEVEL-WCTR
26310      DEPENDING ON TOK-SIZE.
26320      GO TO WAP-ERR-1.
26330      WAP-3LEVEL-WCTR.
26340      MOVE TOKEN-1-3 TO TEST-WCTR-1-3.
26350      MOVE SZERO TO WCTR-SPLIT.
26360      MOVE WCTR-START TO SEL-TAB-START.
26370      PERFORM WORKCTR-SEARCH.
26380      IF SEL-TAB-START = SZERO
26390          GO TO WAP-INSERT.
26400      GO TO WAP-ERR-2.
26410      WAP-4LEVEL-WCTR.
26420      MOVE TOKEN-1-4 TO TEST-WCTR-1-4.
26430      MOVE ONE TO WCTR-SPLIT.
26440      MOVE WCTR-START TO SEL-TAB-START.
26450      PERFORM WORKCTR-SEARCH.
26460      IF SEL-TAB-START = SZERO
26470          MOVE TOKEN-1-4 TO TEST-WCTR-1-4
26480          GO TO WAP-INSERT.
26490      GO TO WAP-ERR-2.
26500      WAP-5LEVEL-WCTR.
26510      MOVE TOKEN-1-5 TO TEST-WCTR-1-5.
26520      MOVE TWO TO WCTR-SPLIT.
26530      MOVE WCTR-START TO SEL-TAB-START.
26540      PERFORM WORKCTR-SEARCH.
26550      IF SEL-TAB-START = SZERO
26560          MOVE TOKEN-1-5 TO TEST-WCTR-1-5
26570          GO TO WAP-INSERT.
26580      GO TO WAP-ERR-2.
26590      WAP-INSERT.
26600      PERFORM GET-TOKEN.
26610      IF TOK-SIZE NOT = FIVE
26620          GO TO WAP-ERR-1.
26630      IF WCTR-START = SZERO
26640          MOVE WCTR-START TO SEL-TAB-SS
26650      ELSE
26660          MOVE SEL-TAB-LINK1 (WCTR-START) TO SEL-TAB-SS.
26670      PERFORM BUMP-SEL-TAB-SS
26680          VARYING SEL-TAB-CNT FROM SZERO BY ONE
26690          UNTIL SEL-TAB-SS = SZERO.
26700      IF SEL-TAB-CNT = WCTR-MAX
26710          PERFORM DIRECTIVE-2MANY-ERR
26720          GO TO WAP-LOOP.
26730      PERFORM GET-SEL-TAB-SLOT.
26740      MOVE SEL-TAB-SS TO SEL-TAB-SS2.
26750      MOVE TEST-WCTR-1-5 TO SEL-TAB-KEY-1-5 (SEL-TAB-SS).
26760      MOVE WCTR-START TO
26770          SEL-TAB-START
26780          SEL-TAB-SS.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

26790 WAP-INDEX-LOOP.
26800     IF SEL-TAB-START = SZERO
26810         GO TO WAP-SET-LIST.
26820     IF TEST-WCTR-1-5 > SEL-TAB-KEY-1-5 (SEL-TAB-START)
26830         MOVE SEL-TAB-START TO SEL-TAB-SS
26840         MOVE SEL-TAB-LINK2 (SEL-TAB-START) TO SEL-TAB-START
26850         GO TO WAP-INDEX-LOOP.
26860 * AT THIS POINT TEST-WCTR-1-5 MUST BE < SEL-TAB-KEY-1-5
26870 *     BECAUSE ='S WERE SCREENED LONG BEFORE THIS
26880 WAP-SET-LIST.
26890     IF SEL-TAB-SS NOT = SEL-TAB-START
26900         MOVE SEL-TAB-SS TO
26910             SEL-TAB-START
26920             SEL-TAB-SS3
26930         GO TO WAP-SET-LIST-END.
26940     IF SEL-TAB-SS = SZERO
26950 *     INSERT THE 1ST INDEX INTO THE TABLE
26960         PERFORM GET-SEL-TAB-SLOT
26970         MOVE SZERO TO
26980             SEL-TAB-LINK1 (SEL-TAB-SS)
26990             SEL-TAB-LINK2 (SEL-TAB-SS)
27000         MOVE SEL-TAB-SS TO WCTR-START.
27010     MOVE SEL-TAB-SS TO
27020         SEL-TAB-START
27030         SEL-TAB-SS3.
27040     MOVE TEST-WCTR-1-5 TO SEL-TAB-KEY-1-5 (SEL-TAB-SS).
27050 WAP-SET-LIST-END.
27060     MOVE SEL-TAB-LINK1 (SEL-TAB-SS) TO SEL-TAB-SS.
27070 WAP-LIST-LOOP.
27080     IF SEL-TAB-SS = SZERO
27090         GO TO WAP-LINK-WCTR-INTO-LIST.
27100     IF TEST-WCTR-1-5 > SEL-TAB-KEY-1-5 (SEL-TAB-SS)
27110         MOVE SEL-TAB-SS TO SEL-TAB-SS3
27120         MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO SEL-TAB-SS
27130         GO TO WAP-LIST-LOOP.
27140 *     AGAIN, AT THIS POINT TEST-WCTR-1-5 < SEL-TAB-KEY
27150 *     BECAUSE ='S WERE PITCHED OUT LONG SINCE
27160 WAP-LINK-WCTR-INTO-LIST.
27170     IF SEL-TAB-SS3 = SEL-TAB-START
27180         MOVE SEL-TAB-LINK1 (SEL-TAB-SS3) TO
27190             SEL-TAB-LINK2 (SEL-TAB-SS2)
27200         MOVE SEL-TAB-SS2 TO SEL-TAB-LINK1 (SEL-TAB-SS3)
27210     ELSE
27220         MOVE SEL-TAB-LINK2 (SEL-TAB-SS3) TO
27230             SEL-TAB-LINK2 (SEL-TAB-SS2)
27240         MOVE SEL-TAB-SS2 TO SEL-TAB-LINK2 (SEL-TAB-SS3).
27250     MOVE AFSC-START TO
27260         SEL-TAB-START
27270         SEL-TAB-SS3.
27280 WAP-AFSC-LOOP.
27290     IF SEL-TAB-SS3 = SZERO
27300         GO TO WAP-INSERT-NEW-AFSC.
27310     IF TOKEN-1-5 > SEL-TAB-KEY-1-5 (SEL-TAB-SS3)

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

27320      MOVE SEL-TAB-SS3 TO SEL-TAB-START
27330      MOVE SEL-TAB-LINK2 (SEL-TAB-SS3) TO SEL-TAB-SS3
27340      GO TO WAP-AFSC-LOOP.
27350      IF TOKEN-1-5 = SEL-TAB-KEY-1-5 (SEL-TAB-SS3)
27360      .   MOVE SEL-TAB-SS3 TO SEL-TAB-SS
27370      .   GO TO WAP-LINK-WCTR-TO-AFSC.
27380  WAP--INSERT-NEW-AFSC.
27390      IF AFSC-CNT = AFSC-MAX
27400 *      AFSC-CNT IS INITIALIZED TO 0,AFSC-MAX TO 99
27410      MOVE SEL-TAB-KEY-1-5 (AFSC-START) TO D-W-A-2-AFSC
27420      MOVE DIRECTIVE-WARNING-AFSC-2MANY TO DIRECTIVE-OUT
27430      MOVE ONE TO DIR-LIST-CC
27440      PERFORM OUTPUT-DIRECTIVE
27450      MOVE AFSC-START TO SEL-TAB-SS
27460      GO TO WAP-LINK-WCTR-TO-AFSC.
27470      PERFORM GET-SEL-TAB-SLOT.
27480      MOVE TOKEN-1-5 TO SEL-TAB-KEY-1-5 (SEL-TAB-SS).
27490      IF SEL-TAB-SS3 = SEL-TAB-START
27500      .   MOVE AFSC-START TO SEL-TAB-LINK2 (SEL-TAB-SS)
27510      .   MOVE SEL-TAB-SS TO AFSC-START
27520      ELSE
27530      .   MOVE SEL-TAB-SS3 TO SEL-TAB-LINK2 (SEL-TAB-SS)
27540      .   MOVE SEL-TAB-SS TO SEL-TAB-LINK2 (SEL-TAB-START).
27550      ADD ONE TO AFSC-CNT.
27560  WAP-LINK-WCTR-TO-AFSC.
27570      MOVE SEL-TAB-SS TO SEL-TAB-LINK1 (SEL-TAB-SS2).
27580      GO TO WAP-LOOP.
27590  WAP-BUILD-INDEX.
27600      IF WCTR-START = SZERO
27610      .   MOVE WCTR-START TO SEL-TAB-SS
27620      ELSE
27630      .   MOVE SEL-TAB-LINK1 (WCTR-START) TO SEL-TAB-SS.
27640      PERFORM BUMP-SEL-TAB-SS
27650      VARYING SEL-TAB-CNT FROM SZERO BY ONE
27660      UNTIL SEL-TAB-SS = SZERO.
27670      IF SEL-TAB-CNT > N-150
27680      .   MOVE N-12 TO SEL-TAB-CNT
27690      .   GO TO WAP-SET-BREAKOFF.
27700      IF SEL-TAB-CNT > N-50
27710      .   MOVE TEN TO SEL-TAB-CNT
27720      .   GO TO WAP-SET-BREAKOFF.
27730      IF SEL-TAB-CNT > FIVE
27740      .   MOVE FIVE TO SEL-TAB-CNT
27750      .   GO TO WAP-SET-BREAKOFF.
27760      GO TO WAP-EXIT.
27770  WAP-SET-BREAKOFF.
27780      MOVE WCTR-START TO SEL-TAB-START.
27790      MOVE SEL-TAB-LINK1 (WCTR-START) TO SEL-TAB-SS.
27800      SUBTRACT ONE FROM SEL-TAB-CNT.
27810  WAP-BREAK-LOOP.
27820      PERFORM BUMP-SEL-TAB-SS
27830      VARYING SEL-TAB-SS2 FROM SEL-TAB-CNT BY MIN-ONE
27840      UNTIL SEL-TAB-SS2 = SZERO

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

27850          OR SEL-TAB-SS = SZERO.
27860      IF SEL-TAB-SS = SZERO OR
27870          SEL-TAB-LINK2 (SEL-TAB-SS) = SZERO
27880          GO TO WAP-EXIT.
27890      MOVE SEL-TAB-SS TO SEL-TAB-SS2.
27900      PERFORM GET-SEL-TAB-SLOT.
27910      MOVE SZERO TO SEL-TAB-LINK2 (SEL-TAB-SS).
27920      MOVE SEL-TAB-SS TO SEL-TAB-LINK2 (SEL-TAB-START).
27930      MOVE SEL-TAB-SS TO SEL-TAB-START.
27940      MOVE SEL-TAB-LINK2 (SEL-TAB-SS2) TO SEL-TAB-SS3.
27950      MOVE SZERO TO SEL-TAB-LINK2 (SEL-TAB-SS2).
27960      MOVE SEL-TAB-SS3 TO SEL-TAB-LINK1 (SEL-TAB-SS).
27970      MOVE SEL-TAB-KEY-1-5 (SEL-TAB-SS3) TO
27980          SEL-TAB-KEY-1-5 (SEL-TAB-SS).
27990      MOVE SEL-TAB-SS3 TO SEL-TAB-SS.
28000      GO TO WAP-BREAK-LOOP.
28010  WAP-ERR-1.
28020      PERFORM DIRECTIVE-TOKEN-SIZE-ERR2.
28030      GO TO WAP-LOOP.
28040  WAP-ERR-2.
28050      MOVE DIRECTIVE-WARNING-DUP-WCTR TO DIRECTIVE-OUT.
28060      MOVE ONE TO DIR-LIST-CC.
28070      PERFORM OUTPUT-DIRECTIVE.
28080      GO TO WAP-LOOP.
28090  WAP-SUMMARIZE.
28100      MOVE DIRECTIVE-SUMMARY-WCTR TO DIRECTIVE-SUMMARY-OUT.
28110      MOVE TWO TO DIR-SUMMARY-CC.
28120      PERFORM OUTPUT-S01.
28130      MOVE ONE TO DIR-SUMMARY-CC.
28140      IF WCTR-START = SZERO
28150          MOVE DIRECTIVE-SUMMARY-WCTR-NONE TO
28160              DIRECTIVE-SUMMARY-OUT
28170          PERFORM OUTPUT-S01
28180          GO TO WAP-EXIT.
28190      MOVE WCTR-START TO SEL-TAB-START.
28200      PERFORM WAP-S-SETUP-OUT
28210          UNTIL SEL-TAB-START = SZERO.
28220      OPEN OUTPUT AFSC-INDEX-FILE.
28230      MOVE AFSC-START TO SEL-TAB-SS.
28240      PERFORM WAP-OUTPUT-AFSC-INDEX
28250          VARYING SEL-TAB-CNT FROM ONE BY ONE
28260          UNTIL SEL-TAB-SS = SZERO.
28270      CLOSE AFSC-INDEX-FILE.
28280      GO TO WAP-EXIT.
28290  WAP-S-SETUP-OUT.
28300      MOVE SEL-TAB-LINK1 (SEL-TAB-START) TO SEL-TAB-SS.
28310      MOVE SEL-TAB-LINK2 (SEL-TAB-START) TO SEL-TAB-START.
28320      PERFORM WAP-S-OUTPUT
28330          UNTIL SEL-TAB-SS = SZERO.
28340  WAP-S-OUTPUT.
28350      MOVE SEL-TAB-LINK1 (SEL-TAB-SS) TO SEL-TAB-SS2.
28360      MOVE SEL-TAB-KEY-1-5 (SEL-TAB-SS) TO TEST-WCTR-1-5.
28370      IF TEST-WCTR-4 = HIGH-VALUE

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

28380      MOVE SPACE TO TEST-WCTR-4.
28390      IF TEST-WCTR-5 = HIGH-VALUE
28400      MOVE SPACE TO TEST-WCTR-5.
28410      MOVE TEST-WCTR-1-5 TO D-S-W-D-WCTR.
28420      MOVE SEL-TAB-KEY-1-5 (SEL-TAB-SS2) TO D-S-W-D-AFSC.
28430      MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO SEL-TAB-SS.
28440      MOVE DIRECTIVE-SUMMARY-WCTR-DETAIL TO
28450      DIRECTIVE-SUMMARY-OUT.
28460      PERFORM OUTPUT-S01.
28470      WAP-OUTPUT-AFSC-INDEX.
28480      MOVE SEL-TAB-CNT TO
28490      SEL-TAB-LINK1 (SEL-TAB-SS)
28500      A-I-AFSC-INDEX.
28510      MOVE SEL-TAB-KEY-1-5 (SEL-TAB-SS) TO A-I-AFSC.
28520      WRITE AFSC-INDEX-REC.
28530      MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO SEL-TAB-SS.
28540      WAP-EXIT.
28550      EXIT.
28560 *
28570 *
28580      MDS-PROCESSOR SECTION.
28590 *
28600 *
28610      MP-START.
28620      IF DIR-AT-END NOT = SZERO
28630      GO TO MP-SUMMARIZE.
28640      PERFORM GET-TOKEN.
28650      MOVE TOKEN-1-7 TO D-S-M-MDS-USER.
28660      GO TO MP-EXIT.
28670      MP-SUMMARIZE.
28680      OPEN INPUT D056B-B4-MASTER-FILE.
28690      READ D056B-B4-MASTER-FILE
28700      AT END GO TO MP-CLOSE.
28710      MOVE B4-MDS TO D-S-M-MDS-B4.
28720      MP-CLOSE.
28730      CLOSE D056B-B4-MASTER-FILE.
28740      MOVE TWO TO DIR-SUMMARY-CC.
28750      MOVE DIRECTIVE-SUMMARY-MDS TO DIRECTIVE-SUMMARY-OUT.
28760      PERFORM OUTPUT-S01.
28770      GO TO MP-EXIT.
28780      MP-EXIT.
28790      EXIT.
28800 *
28810 *
28820      SORTIE-PROCESSOR SECTION.
28830 *
28840 *
28850      SP-START.
28860      IF DIR-AT-END NOT = SZERO
28870      GO TO SP-SUMMARIZE.
28880      PERFORM GET-TOKEN.
28890      PERFORM CONVERT-NUMERIC-TOKEN.
28900      IF TOKEN-VALUE > SZERO AND < N-1000000

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

28910         NEXT SENTENCE
28920     ELSE
28930         PERFORM DIRECTIVE-TOKEN-SIZE-ERR2
28940         GO TO SP-EXIT.
28950     IF SORTIE-FLY-HRS-SW NOT = SZERO
28960         MOVE ONE TO DIR-LIST-CC
28970         MOVE DIRECTIVE-WARNING-SORTIE-FLHR TO
28980             DIRECTIVE-OUT
28990         PERFORM OUTPUT-DIRECTIVE
29000         GO TO SP-EXIT.
29010     MOVE ONE TO SORTIE-FLY-HRS-SW.
29020     MOVE TOKEN-VALUE TO SORTIE-FLY-HRS-COUNT.
29030     GO TO SP-EXIT.
29040     SP-SUMMARIZE.
29050     IF SORTIE-FLY-HRS-SW = ONE
29060         MOVE SORTIE-FLY-HRS-COUNT TO DISPLAY-NUM
29070         MOVE DISP-NUM-6 TO D-S-S-NUM
29080     ELSE
29090         MOVE NOTHING TO D-S-S-NUM.
29100     MOVE DIRECTIVE-SUMMARY-SORTIE TO DIRECTIVE-SUMMARY-OUT.
29110     MOVE TWO TO DIR-SUMMARY-CC.
29120     PERFORM OUTPUT-S01.
29130     GO TO SP-EXIT.
29140     SP-EXIT.
29150     EXIT.
29160 *
29170 *
29180     FLYING-HRS-PROCESSOR SECTION.
29190 *
29200 *
29210     FHP-START.
29220     IF DIR-AT-END NOT = SZERO
29230         GO TO FHP-SUMMARIZE.
29240     PERFORM GET-TOKEN.
29250     PERFORM CONVERT-NUMERIC-TOKEN.
29260     IF TOKEN-VALUE > SZERO AND < N-1000000
29270         NEXT SENTENCE
29280     ELSE
29290         PERFORM DIRECTIVE-TOKEN-SIZE-ERR2
29300         GO TO FHP-EXIT.
29310     IF SORTIE-FLY-HRS-SW NOT = SZERO
29320         MOVE ONE TO DIR-LIST-CC
29330         MOVE DIRECTIVE-WARNING-SORTIE-FLHR TO
29340             DIRECTIVE-OUT
29350         PERFORM OUTPUT-DIRECTIVE
29360         GO TO FHP-EXIT.
29370     MOVE TWO TO SORTIE-FLY-HRS-SW.
29380     MOVE TOKEN-VALUE TO SORTIE-FLY-HRS-COUNT.
29390     GO TO FHP-EXIT.
29400     FHP-SUMMARIZE.
29410     IF SORTIE-FLY-HRS-SW = TWO
29420         MOVE SORTIE-FLY-HRS-COUNT TO DISPLAY-NUM
29430         MOVE DISP-NUM-6 TO D-S-FH-NUM

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

29440         ELSE
29450             MOVE NOTHING TO D-S-FH-NUM.
29460             MOVE DIRECTIVE-SUMMARY-FLY-HRS TO DIRECTIVE-SUMMARY-OUT.
29470             MOVE TWO TO DIR-SUMMARY-CC.
29480             PERFORM OUTPUT-S01.
29490             GO TO FHP-EXIT.
29500 FHP-EXIT.
29510     EXIT.
29520 *
29530 *
29540     LABOR-CATEGORY-PROCESSOR SECTION.
29550 *
29560 *
29570     LCP-START.
29580         IF DIR-AT-END NOT = SZERO
29590             GO TO LCP-SUMMARIZE.
29600     LCP-LOOP.
29610         PERFORM GET-TOKEN.
29620         IF TOK-SIZE NOT = ONE
29630             IF TOK-SIZE = SZERO
29640                 GO TO LCP-CHECK-END
29650             ELSE
29660                 PERFORM DIRECTIVE-TOKEN-SIZE-ERR3
29670                 GO TO LCP-CHECK-END.
29680         MOVE LAB-CAT-START TO SEL-TAB-SS.
29690         PERFORM BUMP-SEL-TAB-SS
29700             VARYING SEL-TAB-CNT FROM SZERO BY ONE
29710             UNTIL SEL-TAB-SS = SZERO
29720                 OR TOKEN-1 = SEL-TAB-KEY-1 (SEL-TAB-SS).
29730         IF SEL-TAB-SS NOT = SZERO
29740             GO TO LCP-CHECK-END.
29750         IF SEL-TAB-CNT = LAB-CAT-MAX
29760             PERFORM DIRECTIVE-TOKEN-2MANY-ERR
29770             GO TO LCP-EXIT.
29780         MOVE LAB-CAT-START TO SEL-TAB-START.
29790         PERFORM INSERT-IN-SEL-TABLE.
29800         MOVE SEL-TAB-START TO LAB-CAT-START.
29810     LCP-CHECK-END.
29820         IF DIR-SS > DIR-MAX
29830             GO TO LCP-EXIT.
29840         GO TO LCP-LOOP.
29850     LCP-SUMMARIZE.
29860         MOVE DIRECTIVE-SUMMARY-LAB-CAT TO
29870             D-S-SEL-1-SELECTION-BLOCK.
29880         IF LAB-CAT-START NOT = SZERO
29890             MOVE DIRECTIVE-SUMMARY-USER TO
29900                 D-S-SEL-2-SELECTION-BLOCK-1
29910             MOVE ONE TO TOK-SIZE
29920         ELSE
29930             MOVE DIRECTIVE-SUMMARY-DEFAULT TO
29940                 D-S-SEL-2-SELECTION-BLOCK-1.
29950         MOVE LAB-CAT-START TO SEL-TAB-START.
29960         PERFORM SELECTION-OUTPUT-S01.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

29970      GO TO LCP-EXIT.
29980 LCP-EXIT.
29990      EXIT.
30000 *
30010 *
30020 ASSIGNMENT-CODE-PROCESSOR SECTION.
30030 *
30040 *
30050 ACP-START.
30060      IF DIR-AT-END NOT = SZERO
30070          GO TO ACP-SUMMARIZE.
30080 ACP-LOOP.
30090      PERFORM GET-TOKEN.
30100      IF TOK-SIZE NOT = TWO
30110          IF TOK-SIZE = SZERO
30120              GO TO ACP-CHECK-END
30130          ELSE
30140              PERFORM DIRECTIVE-TOKEN-SIZE-ERR3
30150              GO TO ACP-CHECK-END.
30160      MOVE ASSIGN-CODE-START TO SEL-TAB-SS.
30170      PERFORM BUMP-SEL-TAB-SS
30180          VARYING SEL-TAB-CNT FROM SZERO BY ONE
30190          UNTIL SEL-TAB-SS = SZERO
30200              OR TOKEN-1-2 = SEL-TAB-KEY-1-2 (SEL-TAB-SS).
30210      IF SEL-TAB-SS NOT = SZERO
30220          GO TO ACP-CHECK-END.
30230      IF SEL-TAB-CNT = ASSIGN-CODE-MAX
30240          PERFORM DIRECTIVE-TOKEN-2MANY-ERR
30250          GO TO ACP-EXIT.
30260      MOVE ASSIGN-CODE-START TO SEL-TAB-START.
30270      PERFORM INSERT-IN-SEL-TABLE.
30280      MOVE SEL-TAB-START TO ASSIGN-CODE-START.
30290 ACP-CHECK-END.
30300      IF DIR-SS > DIR-MAX
30310          GO TO LCP-EXIT.
30320      GO TO ACP-LOOP.
30330 ACP-SUMMARIZE.
30340      MOVE DIRECTIVE-SUMMARY-ASSIGN-CODE TO
30350          D-S-SEL-1-SELECTION-BLOCK.
30360      IF ASSIGN-CODE-START NOT = SZERO
30370          MOVE DIRECTIVE-SUMMARY-USER TO
30380              D-S-SEL-2-SELECTION-BLOCK-1
30390          MOVE TWO TO TOK-SIZE
30400      ELSE
30410          MOVE DIRECTIVE-SUMMARY-DEFAULT TO
30420              D-S-SEL-2-SELECTION-BLOCK-1.
30430      MOVE ASSIGN-CODE-START TO SEL-TAB-START.
30440      PERFORM SELECTION-OUTPUT-S01.
30450      GO TO ACP-EXIT.
30460 ACP-EXIT.
30470      EXIT.
30480 *
30490 MAJOR-COMMAND-PROCESSOR SECTION.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

30500 *
30510 *
30520 MCP-START.
30530     IF DIR-AT-END NOT = SZERO
30540         GO TO MCP-SUMMARIZE.
30550 MCP-LOOP.
30560     PERFORM GET-TOKEN.
30570     IF TOK-SIZE NOT = TWO
30580         IF TOK-SIZE = SZERO
30590             GO TO MCP-CHECK-END
30600         ELSE
30610             PERFORM DIRECTIVE-TOKEN-SIZE-ERR3
30620             GO TO MCP-CHECK-END.
30630     MOVE MAJCOM-START TO SEL-TAB-SS.
30640     PERFORM BUMP-SEL-TAB-SS
30650         VARYING SEL-TAB-CNT FROM SZERO BY ONE
30660         UNTIL SEL-TAB-SS = SZERO
30670             OR TOKEN-1-2 = SEL-TAB-KEY-1-2 (SEL-TAB-SS).
30680     IF SEL-TAB-SS NOT = SZERO
30690         GO TO MCP-CHECK-END.
30700     IF SEL-TAB-CNT = MAJCOM-MAX
30710         PERFORM DIRECTIVE-TOKEN-2MANY-ERR
30720         GO TO MCP-EXIT.
30730     MOVE MAJCOM-START TO SEL-TAB-START.
30740     PERFORM INSERT-IN-SEL-TABLE.
30750     MOVE SEL-TAB-START TO MAJCOM-START.
30760 MCP-CHECK-END.
30770     IF DIR-SS > DIR-MAX
30780         GO TO MCP-EXIT.
30790     GO TO MCP-LOOP.
30800 MCP-SUMMARIZE.
30810     MOVE DIRECTIVE-SUMMARY-MAJCOM TO
30820         D-S-SEL-1-SELECTION-BLOCK.
30830     IF MAJCOM-START NOT = SZERO
30840         MOVE DIRECTIVE-SUMMARY-USER TO
30850             D-S-SEL-2-SELECTION-BLOCK-1
30860         MOVE TWO TO TOK-SIZE
30870     ELSE
30880         MOVE DIRECTIVE-SUMMARY-DEFAULT TO
30890             D-S-SEL-2-SELECTION-BLOCK-1.
30900     MOVE MAJCOM-START TO SEL-TAB-START.
30910     PERFORM SELECTION-OUTPUT-S01.
30920     GO TO MCP-EXIT.
30930 MCP-EXIT.
30940     EXIT.
30950 *
30960 *
30970 TYPE-MAINT-PROCESSOR SECTION.
30980 *
30990 *
31000 TMP-START.
31010     IF DIR-AT-END NOT = SZERO
31020         GO TO TMP-SUMMARIZE.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

31030     PERFORM TMP-INSERTION-LOOP THRU TMP-INSERTION-EXIT.
31040     GO TO TMP-EXIT.
31050 TMP-SUMMARIZE.
31060     MOVE DIRECTIVE-SUMMARY-TYPE-MAINT TO
31070         D-S-SEL-1-SELECTION-BLOCK.
31080     IF TYPE-MAINT-START NOT = SZERO
31090         MOVE DIRECTIVE-SUMMARY-USER TO
31100             D-S-SEL-2-SELECTION-BLOCK-1
31110         MOVE ONE TO TOK-SIZE
31120     ELSE
31130         MOVE DIRECTIVE-SUMMARY-DEFAULT TO
31140             D-S-SEL-2-SELECTION-BLOCK-1
31150         MOVE DEFAULT-TYPE-MAINT TO DIRECTIVE
31160         MOVE ONE TO DIR-SS
31170         PERFORM TMP-INSERTION-LOOP THRU
31180             TMP-INSERTION-EXIT
31190         MOVE ONE TO TOK-SIZE.
31200     MOVE TYPE-MAINT-START TO SEL-TAB-START.
31210     PERFORM SELECTION-OUTPUT-S01.
31220     GO TO TMP-EXIT.
31230 TMP-INSERTION-LOOP.
31240     PERFORM GET-TOKEN.
31250     IF TOK-SIZE NOT = ONE
31260         IF TOK-SIZE = SZERO
31270             GO TO TMP-CHECK-END
31280         ELSE
31290             PERFORM DIRECTIVE-TOKEN-SIZE-ERR3
31300             GO TO TMP-CHECK-END.
31310     MOVE TYPE-MAINT-START TO SEL-TAB-SS.
31320     PERFORM BUMP-SEL-TAB-SS
31330         VARYING SEL-TAB-CNT FROM SZERO BY ONE
31340         UNTIL SEL-TAB-SS = SZERO
31350             OR TOKEN-1 = SEL-TAB-KEY-1 (SEL-TAB-SS).
31360     IF SEL-TAB-SS NOT = SZERO
31370         GO TO TMP-CHECK-END.
31380     IF SEL-TAB-CNT = TYPE-MAINT-MAX
31390         PERFORM DIRECTIVE-TOKEN-ZMANY-ERR
31400         GO TO TMP-INSERTION-EXIT.
31410     MOVE TYPE-MAINT-START TO SEL-TAB-START.
31420     PERFORM INSERT-IN-SEL-TABLE.
31430     MOVE SEL-TAB-START TO TYPE-MAINT-START.
31440     TMP-CHECK-END.
31450     IF DIR-SS > DIR-MAX
31460         GO TO TMP-INSERTION-EXIT.
31470     GO TO TMP-INSERTION-LOOP.
31480     TMP-INSERTION-EXIT.
31490     EXIT.
31500     TMP-EXIT.
31510     EXIT.
31520 *
31530 *
31540 3-DIGIT-WUC-PROCESSOR SECTION.
31550 *

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

31560 *
31570 3DWP-START.
31580     IF DIR-AT-END NOT = SZERO
31590         GO TO 3DWP-SUMMARIZE.
31600 2DWP-LOOP.
31610     PERFORM GET-DIRECTIVE-AND-ECHO.
31620     IF DIR-AT-END NOT = SZERO
31630         GO TO 3DWP-EXIT.
31640     MOVE ONE TO DIR-SS.
31650     PERFORM GET-TOKEN.
31660     IF TOKEN-1-3 = DIR-KEY-END
31670         GO TO 3DWP-EXIT.
31680     IF TOK-SIZE NOT = THREE
31690         PERFORM DIRECTIVE-TOKEN-SIZE-ERR2
31700         GO TO 3DWP-LOOP.
31710     MOVE 3DIG-START TO SEL-TAB-SS.
31720     PERFORM BUMP-SEL-TAB-SS
31730         VARYING SEL-TAB-CNT FROM SZERO BY ONE
31740         UNTIL SEL-TAB-SS = SZERO
31750         OR TOKEN-1-3 = SEL-TAB-KEY-1-3 (SEL-TAB-SS).
31760     IF SEL-TAB-SS NOT = SZERO
31770         GO TO 3DWP-LOOP.
31780     IF SEL-TAB-CNT = 3DIG-MAX
31790         PERFORM DIRECTIVE-2MANY-ERR
31800         GO TO 3DWP-LOOP.
31810     MOVE 3DIG-START TO SEL-TAB-START.
31820     PERFORM INSERT-IN-SEL-TABLE.
31830     MOVE SEL-TAB-START TO 3DIG-START.
31840     GO TO 3DWP-LOOP.
31850 3DWP-SUMMARIZE.
31860     MOVE DIRECTIVE-SUMMARY-3DIG-WUC TO
31870         D-S-SEL-1-SELECTION-BLOCK.
31880     IF 3DIG-START NOT = SZERO
31890         MOVE DIRECTIVE-SUMMARY-USER TO
31900         D-S-SEL-2-SELECTION-BLOCK-1
31910         MOVE THREE TO TOK-SIZE
31920     ELSE
31930         MOVE DIRECTIVE-SUMMARY-DEFAULT TO
31940         D-S-SEL-2-SELECTION-BLOCK-1.
31950     MOVE 3DIG-START TO SEL-TAB-START.
31960     PERFORM SELECTION-OUTPUT-S01.
31970     GO TO 3DWP-EXIT.
31980 3DWP-EXIT.
31990     EXIT.
32000 *
32010 *
32020 QUEEN-BEE-PROCESSOR SECTION.
32030 *
32040 *
32050 GBP-START.
32060     IF DIR-AT-END NOT = SZERO
32070         GO TO GBP-SUMMARIZE.
32080     PERFORM GET-TOKEN.

```

FIGURE G-1. JGC5A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

32090      PERFORM DUMMY
32100      VARYING QB-TAB-SS FROM QB-TAB-MAX BY MIN-ONE
32110      UNTIL QB-TAB-SS = SZERO
32120      OR TOKEN-1-4 = QB-TAB-DIR-KEY (QB-TAB-SS).
32130      IF QB-TAB-SS = SZERO
32140      PERFORM DIRECTIVE-WARNING-KEYWORD-ERR
32150      GO TO QBP-EXIT.
32160      GO TO QBP-EXIT.
32170      QBP-SUMMARIZE.
32180      MOVE DIRECTIVE-SUMMARY-QUEEN-B TO
32190      D-S-SEL-1-SELECTION-BLOCK.
32200      IF QB-TAB-SS NOT = SZERO
32210      MOVE DIRECTIVE-SUMMARY-USER TO
32220      D-S-SEL-2-SELECTION-BLOCK-1
32230      ELSE
32240      MOVE DIRECTIVE-SUMMARY-DEFAULT TO
32250      D-S-SEL-2-SELECTION-BLOCK-1
32260      MOVE ONE TO QB-TAB-SS.
32270      MOVE QB-TAB-SEL-PRINT (QB-TAB-SS) TO
32280      D-S-SEL-2-SELECTION-BLOCK-2.
32290      IF (LINE-CNT + THREE) > MAX-LINES-PER-PAGE
32300      MOVE N-100 TO LINE-CNT.
32310      MOVE DIRECTIVE-SUMMARY-SELECT-1 TO
32320      DIRECTIVE-SUMMARY-OUT.
32330      MOVE TWO TO DIR-SUMMARY-CC.
32340      PERFORM OUTPUT-S01.
32350      MOVE DIRECTIVE-SUMMARY-SELECT-2 TO
32360      DIRECTIVE-SUMMARY-OUT.
32370      MOVE ONE TO DIR-SUMMARY-CC.
32380      PERFORM OUTPUT-S01.
32390      GO TO QBP-EXIT.
32400      QBP-EXIT.
32410      EXIT.
32420 *
32430 *
32440      COMPONENT-POS-PROCESSOR SECTION.
32450 *
32460 *
32470      CNP-START.
32480      IF DIR-AT-END NOT = SZERO
32490      GO TO CNP-SUMMARIZE.
32500      PERFORM GET-TOKEN.
32510      PERFORM DUMMY
32520      VARYING COMP-POS-QB-TAB-SS FROM QB-TAB-MAX BY MIN-ONE
32530      UNTIL COMP-POS-QB-TAB-SS = SZERO
32540      OR TOKEN-1-4 =
32550      QB-TAB-DIR-KEY (COMP-POS-QB-TAB-SS).
32560      GO TO
32570      CNP-EXIT
32580      CNP-EXIT
32590      DEPENDING ON COMP-POS-QB-TAB-SS.
32600      CNP-ERR.
32610      PERFORM DIRECTIVE-WARNING-KEYWORD-ERR.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

32620      GO TO CNP-EXIT.
32630 CNP-SUMMARIZE.
32640      MOVE DIRECTIVE-SUMMARY-COMP-POS TO
32650          D-S-SEL-1-SELECTION-BLOCK.
32660      IF COMP-POS-QB-TAB-SS NOT = SZERO
32670          MOVE DIRECTIVE-SUMMARY-USER TO
32680              D-S-SEL-2-SELECTION-BLOCK-1
32690      ELSE
32700          MOVE DIRECTIVE-SUMMARY-DEFAULT TO
32710              D-S-SEL-2-SELECTION-BLOCK-1
32720          MOVE TWO TO COMP-POS-QB-TAB-SS.
32730      MOVE QB-TAB-SEL-PRINT (COMP-POS-QB-TAB-SS) TO
32740          D-S-SEL-2-SELECTION-BLOCK-2.
32750      IF (LINE-CNT + THREE) > MAX-LINES-PER-PAGE
32760          MOVE N-100 TO LINE-CNT.
32770      MOVE DIRECTIVE-SUMMARY-SELECT-1 TO DIRECTIVE-SUMMARY-OUT.
32780      MOVE TWO TO DIR-SUMMARY-CC.
32790      PERFORM OUTPUT-S01.
32800      MOVE DIRECTIVE-SUMMARY-SELECT-2 TO DIRECTIVE-SUMMARY-OUT.
32810      MOVE ONE TO DIR-SUMMARY-CC.
32820      PERFORM OUTPUT-S01.
32830      GO TO CNP-EXIT.
32840 CNP-EXIT.
32850      EXIT.
32860 *
32870 *
32880 GET-DIRECTIVE-AND-ECHO SECTION.
32890 *
32900 *
32910 GDAE-START.
32920      IF DIR-STACK-SS NOT = SZERO
32930          MOVE DIR-STACKED-DIRECTIVE (DIR-STACK-SS) TO
32940              DIRECTIVE
32950          SUBTRACT ONE FROM DIR-STACK-SS
32960          GO TO GDAE-EXIT.
32970      PERFORM INPUT-DIRECTIVE.
32980      IF DIR-AT-END NOT = SZERO
32990          GO TO GDAE-EXIT.
33000      MOVE ONE TO DIR-LIST-CC.
33010      MOVE DIRECTIVE TO DIRECTIVE-OUT.
33020      PERFORM OUTPUT-DIRECTIVE.
33030 GDAE-EXIT.
33040      EXIT.
33050 *
33060 *
33070 STACK-DIRECTIVE SECTION.
33080 STD-START.
33090      ADD ONE TO DIR-STACK-SS.
33100      MOVE DIRECTIVE TO
33110          DIR-STACKED-DIRECTIVE (DIR-STACK-SS).
33120 STD-EXIT.
33130      EXIT.
33140 *

```

FIGURE G-1. JG05A/CDEF/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

33150 *
33160 INPUT-DIRECTIVE SECTION.
33170 *
33180 *
33190 ID-START.
33200     IF DIR-AT-END NOT = SZERO
33210         MOVE DIR-KEY-END TO DIRECTIVE
33220         GO TO ID-EXIT.
33230     READ DIRECTIVES-FILE INTO DIRECTIVE
33240     AT END
33250         MOVE ONE TO DIR-AT-END
33260         CLOSE DIRECTIVES-FILE
33270         GO TO ID-START.
33280     ADD ONE TO DIR-COUNT.
33290     GO TO ID-EXIT.
33300 ID-EXIT.
33310     EXIT.
33320 *
33330 *
33340 OUTPUT-DIRECTIVE SECTION.
33350 *     ' THE APPARENT INEFFICIENCIES RESULTING FROM FAKING AN
33360 *     "AFTER ADVANCING" BY USE OF "BEFORE ADVANCING" ACK-
33370 *     KNOWLEDGES THE FACT THAT HONEYWELL COBOL WRITES 2 LINES
33380 *     IN THE "AFTER ADVANCING" MODE (THE GCOS SYSTEM OUTPUT
33390 *     ROUTINES ALWAYS CAUSE SLEWING BEFORE PRINTING) WHICH
33400 *     GET COUNTED AS 2 PRINTLINES AGAINST THE USER'S JOB
33410 *     PRINTLINE LIMIT. THIS METHOD SHOULDN'T CAUSE MUCH
33420 *     GREIF ON A CDC CYBER.
33430 *
33440 OD-START.
33450     IF DIR-LIST-OPEN NOT = SZERO
33460         GO TO OD-EXIT.
33470     IF (LINE-CNT + DIR-LIST-CC) > MAX-LINES-PER-PAGE
33480         WRITE DIRECTIVE-LIST-REC
33490         BEFORE ADVANCING TOP
33500         MOVE SPACE TO DIRECTIVE-LIST-REC
33510         WRITE DIRECTIVE-LIST-REC
33520         BEFORE ADVANCING THREE
33530         MOVE CDEP-VERSION TO D-H-O-VERSION
33540         MOVE DIRECTIVE-HEADER-0 TO DIRECTIVE-LIST-REC
33550         WRITE DIRECTIVE-LIST-REC BEFORE ADVANCING ONE
33560         ADD ONE PAGE-CNT GIVING PAGE-CNT D-H-PAGE-CNT
33570         MOVE DIRECTIVE-HEADER TO DIRECTIVE-LIST-REC
33580         WRITE DIRECTIVE-LIST-REC
33590         BEFORE ADVANCING ONE
33600         MOVE REPORT-GROUP-TITLE TO D-H-2-TITLE
33610         MOVE DIRECTIVE-HEADER-2 TO DIRECTIVE-LIST-REC
33620         WRITE DIRECTIVE-LIST-REC
33630         BEFORE ADVANCING TWO
33640         MOVE SIX TO LINE-CNT
33650         ADD THREE TO DIR-LIST-COUNT
33660     ELSE
33670         WRITE DIRECTIVE-LIST-REC

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

33680          BEFORE ADVANCING DIR-LIST-CC
33690          ADD DIR-LIST-CC TO LINE-CNT.
33700          MOVE DIRECTIVE-OUT TO DIRECTIVE-LIST-REC.
33710          ADD ONE TO DIR-LIST-COUNT.
33720  OD-EXIT.
33730          EXIT.
33740 *
33750 *
33760  USER-INPUT-SUMMARY-1 SECTION.
33770 *      THIS SECTION ALONG WITH USER-INPUT-SUMMARY-2 DEFINES
33780 *      THE CONTROL OF THE S01 REPORT SEQUENCE.
33790 *
33800  UIS1-START.
33810          OPEN OUTPUT S01-FILE.
33820          MOVE SPACE TO S01-REC.
33830          MOVE N-100 TO LINE-CNT.
33840          MOVE SZERO TO PAGE-CNT.
33850          PERFORM MDS-PROCESSOR.
33860          PERFORM SORTIE-PROCESSOR.
33870          PERFORM FLYING-HRS-PROCESSOR.
33880          PERFORM WORKCENTER-AFSC-PROCESSOR.
33890          PERFORM LABOR-CATEGORY-PROCESSOR.
33900          PERFORM ASSIGNMENT-CODE-PROCESSOR.
33910          PERFORM TYPE-MAINT-PROCESSOR.
33920          PERFORM QUEEN-BEE-PROCESSOR.
33930          PERFORM COMPONENT-POS-PROCESSOR.
33940          PERFORM MAJOR-COMMAND-PROCESSOR.
33950          PERFORM 3-DIGIT-WUC-PROCESSOR.
33960 *      REPORT-PROCESSOR IS CALLED FOR REPORT S01 AFTER THE
33970 *      ABD6DA FILE HAS BEEN COMPLETELY PROCESSED (AT THE
33980 *      END OF THE SELECTION SECTION DURING
33990 *      USER-INPUT-SUMMARY-2).
34000  UIS1-EXIT.
34010          EXIT.
34020 *
34030 *
34040  GET-TOKEN SECTION.
34050 *
34060 *
34070  GT-START.
34080          MOVE DIR-SS TO DIR-TOK-SS.
34090          MOVE SPACE TO TOKEN.
34100          MOVE ONE TO TOK-SS.
34110          MOVE SZERO TO
34120          TOK-SIZE
34130          DIR-ERR-SW.
34140  GT-LOOP.
34150          IF DIR-SS > DIR-MAX
34160              GO TO GT-END-TOKEN.
34170          MOVE DIR (DIR-SS) TO DIR-CHECK.
34180          IF DIR-NAME-SW NOT = SZERO
34190              IF TOK-SS > DIR-NAME-MAX
34200                  GO TO GT-END-TOKEN

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

34210             ELSE
34220                 GO TO GT-PROCESS-CHAR.
34230             IF DIR-CHECK = SPACE ,
34240                 GO TO GT-SET-NEXT-CHAR.
34250             IF DIR-CHECK = DIR-SPACE-REPLACE
34260                 MOVE SPACE TO DIR-CHECK.
34270             IF DIR-CHECK = COMMA
34280                 GO TO GT-END-TOKEN.
34290             GT-PROCESS-CHAR.
34300             IF TOK-SS > TOK-MAX
34310 8             DISPLAY "TOKEN 2 BIG"
34320 8             MOVE DIR-ERR-SW TO DISPLAY-NUM
34330 8             DISPLAY " DIR-ERR-SW=" DISPLAY-NUM
34340             IF DIR-ERR-SW = SZERO
34350                 MOVE ONE TO DIR-ERR-SW
34360                 MOVE DIR-SS TO
34370                     DIR-ERR-SS1
34380                     DIR-ERR-SS2
34390 8             DISPLAY " ERR-SW 0"
34400 8             MOVE DIR-ERR-SS1 TO DISPLAY-NUM
34410 8             DISPLAY " ERR-SS1=" DISPLAY-NUM
34420 8             MOVE DIR-ERR-SS2 TO DISPLAY-NUM
34430 8             DISPLAY " ERR-SS2=" DISPLAY-NUM
34440             GO TO GT-SET-NEXT-CHAR
34450             ELSE
34460                 MOVE DIR-SS TO DIR-ERR-SS2
34470 8             DISPLAY " ERR-SW 1"
34480 8             MOVE DIR-ERR-SS1 TO DISPLAY-NUM
34490 8             DISPLAY " ERR-SS1=" DISPLAY-NUM
34500 8             MOVE DIR-ERR-SS2 TO DISPLAY-NUM
34510 8             DISPLAY " ERR-SS2=" DISPLAY-NUM
34520             GO TO GT-SET-NEXT-CHAR.
34530             MOVE DIR-CHECK TO TOK (TOK-SS).
34540             ADD ONE TO TOK-SS.
34550             ADD ONE TO TOK-SIZE.
34560             GT-SET-NEXT-CHAR.
34570             ADD ONE TO DIR-SS.
34580             GO TO GT-LOOP.
34590             GT-END-TOKEN.
34600             IF DIR-ERR-SW NOT = SZERO
34610                 PERFORM GT-OUTPUT-ERROR.
34620             ADD ONE TO DIR-SS.
34630             IF DIR-NAME-SW = SZERO
34640                 GO TO GT-EXIT.
34650             PERFORM DUMMY
34660                 VARYING TOK-SIZE FROM TOK-SIZE BY MIN-ONE
34670                 UNTIL TOK-SIZE = SZERO
34680                 OR TOK (TOK-SIZE) NOT = SPACE.
34690 *             THE ABOVE PERFORM LOCATES THE RIGHTMOST NON-BLANK
34700 *             CHARACTER OF A NAME AND SETS TOK-SIZE TO IT
34710             GO TO GT-EXIT.
34720             GT-OUTPUT-ERROR.
34730             MOVE DIR-TOK-SS TO DISPLAY-NUM.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

34740      MOVE DISP-NUM-2 TO D-W-S-NUM-1.
34750      MOVE DIR-ERR-SS1 TO DISPLAY-NUM.
34760      MOVE DISP-NUM-2 TO D-W-S-NUM-2.
34770      MOVE DIR-ERR-SS2 TO DISPLAY-NUM.
34780      MOVE DISP-NUM-2 TO D-W-S-NUM-3.
34790      MOVE ONE TO DIR-LIST-CC.
34800      MOVE DIRECTIVE-WARNING-SIZE TO DIRECTIVE-OUT.
34810      PERFORM OUTPUT-DIRECTIVE.
34820  GT-EXIT.
34830      EXIT.
34840  *
34850  *
34860  CONVERT-NUMERIC-TOKEN SECTION.
34870  *
34880  *
34890  CNT-START.
34900      MOVE ONE TO TOK-SS.
34910      MOVE SZERO TO TOKEN-VALUE.
34920  CNT-LOOP.
34930      IF TOK-SS > TOK-SIZE
34940          GO TO CNT-EXIT.
34950      IF TOK (TOK-SS) NOT NUMERIC
34960          GO TO CNT-ERR.
34970      MULTIPLY TEN BY TOKEN-VALUE.
34980      ADD TOK-NUM (TOK-SS) TO TOKEN-VALUE.
34990      ADD ONE TO TOK-SS.
35000      GO TO CNT-LOOP.
35010  CNT-ERR.
35020      MOVE SZERO TO TOKEN-VALUE.
35030      MOVE DIR-TOK-SS TO DISPLAY-NUM.
35040      MOVE DISP-NUM-2 TO D-W-N-N-NUM-1.
35050      MOVE DIR-SS TO DISPLAY-NUM.
35060      MOVE DISP-NUM-2 TO D-W-N-N-NUM-2.
35070      MOVE DIRECTIVE-WARNING-NON-NUMERIC TO DIRECTIVE-OUT.
35080      MOVE ONE TO DIR-LIST-CC.
35090      PERFORM OUTPUT-DIRECTIVE.
35100  CNT-EXIT.
35110      EXIT.
35120  *
35130  *
35140  DIRECTIVE-TOKEN-SIZE-ERR2 SECTION.
35150  *
35160  *
35170  DTSE2-START.
35180      MOVE DIR-TOK-SS TO DISPLAY-NUM.
35190      MOVE DISP-NUM-2 TO D-W-S2-NUM.
35200      MOVE DIRECTIVE-WARNING-SIZE2 TO DIRECTIVE-OUT.
35210      MOVE ONE TO DIR-LIST-CC.
35220      PERFORM OUTPUT-DIRECTIVE.
35230  DTSE2-EXIT.
35240      EXIT.
35250  *
35260  *

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

35270 DIRECTIVE-TOKEN-SIZE-ERR3 SECTION.
35280 *
35290 *
35300 DTSE3-START.
35310     MOVE DIR-TOK-SS TO DISPLAY-NUM.
35320     MOVE DISP-NUM-2 TO D-W-S3-NUM-1.
35330     MOVE DIR-SS TO DISPLAY-NUM.
35340     MOVE DISP-NUM-2 TO D-W-S3-NUM-2.
35350     MOVE DIRECTIVE-WARNING-SIZE3 TO DIRECTIVE-OUT.
35360     MOVE ONE TO DIR-LIST-CC.
35370     PERFORM OUTPUT-DIRECTIVE.
35380 DTSE3-EXIT.
35390     EXIT.
35400 *
35410 *
35420 DIRECTIVE-TOKEN-2MANY-ERR SECTION.
35430 *
35440 *
35450 DT2ME-START.
35460     MOVE DIR-TOK-SS TO DISPLAY-NUM.
35470     MOVE DISP-NUM-2 TO D-W-2M-T-NUM.
35480     MOVE DIRECTIVE-WARNING-2MANY-TOK TO DIRECTIVE-OUT.
35490     MOVE ONE TO DIR-LIST-CC.
35500     PERFORM OUTPUT-DIRECTIVE.
35510 DT2ME-EXIT.
35520     EXIT.
35530 *
35540 *
35550 DIRECTIVE-2MANY-ERR SECTION.
35560 *
35570 *
35580 D2ME-START.
35590     MOVE DIRECTIVE-WARNING-2MANY-DIR TO DIRECTIVE-OUT.
35600     MOVE ONE TO DIR-LIST-CC.
35610     PERFORM OUTPUT-DIRECTIVE.
35620 D2ME-EXIT.
35630     EXIT.
35640 *
35650 *
35660 DIRECTIVE-WARNING-KEYWORD-ERR SECTION.
35670 *
35680 *
35690 DWKE-START.
35700     MOVE DIR-TOK-SS TO DISPLAY-NUM.
35710     MOVE DISP-NUM-2 TO D-W-K-NUM.
35720     MOVE DIRECTIVE-WARNING-KEYWORD TO DIRECTIVE-OUT.
35730     MOVE ONE TO DIR-LIST-CC.
35740     PERFORM OUTPUT-DIRECTIVE.
35750 DWKE-EXIT.
35760     EXIT.
35770 *
35780 *
35790 PUT-TOKEN SECTION.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

35800 *      TRANSFERS DATA FROM TOKEN TO DIRECTIVE.
35810 *      REQUIRED INPUTS ARE 1)DIR-SS POINTING TO NEXT HOLE
35820 *      TO BE FILLED IN DIRECTIVE (DIRECTIVE NEEDS TO BE
35830 *      INITIALIZED BEFORE THE 1ST CALL HERE FOR A BUILDUP),
35840 *      2) TOKEN FILLED WITH DATA TO BE TRANSFERRED,
35850 *      3) DIR-SPACER FILLED WITH THE INTER-TOKEN SEPARATION
35860 *      CHARACTER
35870 *      OUTPUTS ARE 1) DIR-SS POINTING TO NEXT AVAILABLE
35880 *      HOLE IN DIRECTIVE, 2) THE CONTENTS OF TOKEN TRANS-
35890 *      FERRED INTO DIRECTIVE AND PREFIXED BY THE CHAR
35900 *      IN DIR-SPACER (TOKENS GOING INTO CHAR POS 1 OF DIRECTIVE
35910 *      ARE NOT PREFIXED BY DIR-SPACER)
35920 *
35930 PT-START.
35940     PERFORM DUMMY
35950         VARYING TOK-SS FROM N-15 BY MIN-ONE
35960         UNTIL TOK-SS = SZERO
35970             OR TOK (TOK-SS) NOT = SPACE.
35980     MOVE TOK-SS TO TOK-SIZE.
35990     IF DIR-SS NOT = ONE
36000         MOVE DIR-SPACER TO DIR (DIR-SS)
36010         ADD ONE TO DIR-SS.
36020     MOVE DIR-SS TO DIR-TOK-SS.
36030     MOVE ONE TO TOK-SS.
36040 PT-LOOP.
36050     IF TOK-SS > TOK-SIZE
36060         GO TO PT-EXIT.
36070     IF DIR-SS > DIR-MAX
36080         DISPLAY "PUT-TOKEN OVERFLOW IN " DIRECTIVE
36090         GO TO PT-EXIT.
36100     MOVE TOK (TOK-SS) TO DIR (DIR-SS).
36110     ADD ONE TO TOK-SS.
36120     ADD ONE TO DIR-SS.
36130     GO TO PT-LOOP.
36140 PT-EXIT.
36150     EXIT.
36160 *
36170 *
36180 OUTPUT-S01-INDEX SECTION.
36190 *
36200 *
36210 OSI-START.
36220     MOVE DIRECTIVE-SUMMARY-OUT TO S01-INDEX-DETAIL-DATA.
36230     MOVE DIR-SUMMARY-CC TO S01-INDEX-LINESKIP.
36240     WRITE S01-INDEX-RECORD.
36250 OSI-EXIT.
36260     EXIT.
36270 *
36280 *
36290 SELECTION-OUTPUT-S01 SECTION.
36300 *
36310 *
36320 SOS-START.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

36330     IF SEL-TAB-START = SZERO
36340         MOVE CONSTANT-OF-ALL TO
36350             D-S-SEL-2-SELECTION-BLOCK-2
36360         MOVE ONE TO DIR-SUM-SEL-2-CNT
36370         GO TO SOS-SET-OUT.
36380     MOVE SEL-TAB-START TO SEL-TAB-SS.
36390     PERFORM BUMP-SEL-TAB-SS
36400         VARYING SEL-TAB-CNT FROM SZERO BY ONE
36410         UNTIL SEL-TAB-SS = SZERO.
36420     COMPUTE DIR-SUM-SEL-2-LINE-CNT =
36430         DIR-SUM-SEL-2-LIMIT / (TOK-SIZE + ONE).
36440     DIVIDE SEL-TAB-CNT BY DIR-SUM-SEL-2-LINE-CNT
36450         GIVING DIR-SUM-SEL-2-CNT.
36460     IF SEL-TAB-CNT >
36470         (DIR-SUM-SEL-2-LINE-CNT * DIR-SUM-SEL-2-CNT)
36480         ADD ONE TO DIR-SUM-SEL-2-CNT.
36490     PERFORM SOS-SET-USER-DETAIL.
36500     SOS-SET-OUT.
36510     IF (LINE-CNT + DIR-SUM-SEL-2-CNT + TWO) >
36520         MAX-LINES-PER-PAGE
36530         MOVE N-100 TO LINE-CNT.
36540     MOVE DIRECTIVE-SUMMARY-SELECT-1 TO
36550         DIRECTIVE-SUMMARY-OUT.
36560     MOVE TWO TO DIR-SUMMARY-CC.
36570     PERFORM OUTPUT-S01.
36580     MOVE ONE TO DIR-SUMMARY-CC.
36590     SOS-OUT-LOOP.
36600     MOVE DIRECTIVE-SUMMARY-SELECT-2 TO
36610         DIRECTIVE-SUMMARY-OUT.
36620     PERFORM OUTPUT-S01.
36630     IF SEL-TAB-START = SZERO
36640         GO TO SOS-EXIT.
36650     MOVE SPACE TO D-S-SEL-2-SELECTION-BLOCK-1.
36660     PERFORM SOS-SET-USER-DETAIL.
36670     GO TO SOS-OUT-LOOP.
36680     SOS-SET-USER-DETAIL.
36690     PERFORM BUILD-DIR-SUM-DETAIL.
36700     MOVE DIRECTIVE TO D-S-SEL-2-SELECTION-BLOCK-2.
36710     SOS-EXIT.
36720     EXIT.
36730 *
36740 *
36750     BUILD-DIR-SUM-DETAIL SECTION.
36760 *
36770 *
36780     B0SD-START.
36790         MOVE ONE TO DIR-SS.
36800         MOVE SPACE TO DIRECTIVE.
36810         MOVE COMMA TO DIR-SPACER.
36820         PERFORM B0SD-BUILD-LINE
36830             VARYING SEL-TAB-CNT FROM
36840                 DIR-SUM-SEL-2-LINE-CNT BY MIN-ONE
36850                 UNTIL SEL-TAB-CNT = SZERO

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

36860          OR SEL-TAB-START = SZERO.
36870          GO TO BDSO-EXIT.
36880      BDSO-BUILD-LINE.
36890          MOVE SEL-TAB-KEY (SEL-TAB-START) TO TOKEN.
36900          PERFORM PUT-TOKEN.
36910          MOVE SEL-TAB-LINK2 (SEL-TAB-START) TO SEL-TAB-START.
36920      BDSO-EXIT.
36930          EXIT.
36940 *
36950 *
36960 /
36970      SELECTION SECTION.
36980 *
36990 *
37000      S-START.
37010          OPEN INPUT ABD6DA-FILE
37020              OUTPUT
37030                  SELECTION-REPORT-FILE
37040                  COMBINATION-FILE
37050                  REJECT-FILE
37051                  KNT-INDEX-FILE.
37060          MOVE SZERO TO ABD6DA-AT-END.
37070      S-LOOP.
37080      *****DISPLAY "INPUT-ABD6DA".
37090          PERFORM INPUT-ABD6DA.
37100          IF ABD6DA-AT-END NOT = SZERO
37110              CLOSE
37120                  COMBINATION-FILE
37130                  REJECT-FILE
37131                  {KNT-INDEX-FILE}
37140          PERFORM USER-INPUT-SUMMARY-2
37150          GO TO S-EXIT.
37160      *****DISPLAY " 6DA-REC= " 6DA-RECORD.
37170          IF 6DA-1-79 = OLD-6DA-1-79
37180              MOVE SZERO TO REJECT-REASON
37190              PERFORM REJECT-PROCESSOR
37200              GO TO S-LOOP.
37210          MOVE 6DA-1-79 TO OLD-6DA-1-79.
37220          IF 6DA-REC-ID NOT NUMERIC
37230              GO TO S-LOOP.
37240          IF 6DA-REC-ID = FOUR-X
37250 *          ****DISPLAY "SELECT-INDIRECT"
37260              PERFORM SELECT-INDIRECT
37270              GO TO S-LOOP.
37271          {MOVE 6DA-REC-ID-NUM TO}
37272          {NEW-REC-ID.}
37280      *****DISPLAY "SELECT-SRD".
37290          PERFORM SELECT-SRD.
37300          IF SRD-SS = SZERO
37310              GO TO S-LOOP.
37311          {MOVE 6DA-SRD-1 TO}
37312          {NEW-SRD-1.}
37313          {MOVE 6DA-EQUIP-CLASS TO}

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

37314      {NEW-SRD-2-3.}
37320      GO TO
37330      S-ID-1-3
37340      S-ID-2-5
37350      S-ID-1-3
37360      S-EXIT
37370      S-ID-2-5
37380      S-ID-6-7
37390      S-ID-6-7
37400      DEPENDING ON 6DA-REC-ID-NUM.
37410      S-ERR.
37420      DISPLAY
37430      GARBAGE-WARNING
37440      "***GO-TO-DEF MISMATCH BTW SELECTION+INPUT-ABD&DA"
37450      " SECTIONS ON REC-ID-" 6DA-REC-ID "-".
37460      MOVE N-15 TO REJECT-REASON.
37470      MOVE ONE TO GARBAGE-FLAG.
37480      PERFORM REJECT-PROCESSOR.
37490      GO TO S-LOOP.
37500      S-ID-6-7.
37510      *****DISPLAY "SELECT-6-OR-7-REC".
37520      PERFORM SELECT-6-OR-7-REC.
37530      GO TO S-LOOP.
37540      S-ID-2-5.
37550      *****DISPLAY "2 OR 5 REC".
37560      MOVE SIX TO REJECT-REASON.
37570      PERFORM REJECT-PROCESSOR.
37580      GO TO S-LOOP.
37590      S-ID-1-3.
37600      IF LAB-CAT-START NOT = SZERO
37610      *      *****DISPLAY "SELECT-LABOR-CATEGORY"
37620      PERFORM SELECT-LABOR-CATEGORY
37630      IF SEL-TAB-SS = SZERO
37640      GO TO S-LOOP.
37650      IF ASSIGN-CODE-START NOT = SZERO
37660      *      *****DISPLAY "SELECT-ASSIGNMENT-CODE"
37670      PERFORM SELECT-ASSIGNMENT-CODE
37680      IF SEL-TAB-SS = SZERO
37690      GO TO S-LOOP.
37700      IF MAJCOM-START NOT = SZERO
37710      *      *****DISPLAY "SELECT-MAJOR-COMMAND"
37720      PERFORM SELECT-MAJOR-COMMAND
37730      IF SEL-TAB-SS = SZERO
37740      GO TO S-LOOP.
37750      *****DISPLAY "SELECT-WORKCENTER".
37760      PERFORM SELECT-WORKCENTER.
37770      IF SEL-TAB-SS = SZERO
37780      GO TO S-LOOP.
37781      {MOVE SEL-TAB-LINK1 (AFSC-SS)}
37782      {TO NEW-AFSC-INDEX.}
37790      *****DISPLAY "SELECT-TYPE-MAINT".
37800      PERFORM SELECT-TYPE-MAINT.
37810      IF SEL-TAB-SS = SZERO

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

37820          GO TO S-LOOP.
37821      { MOVE 6DA-TYPE-MAINT
37822      {   TO NEW-TYPE-MAINT. }
37830      IF 6DA-SRD-1 = X
37840 *      ****DISPLAY "SELECT-QUEEN-BEE"
37850          PERFORM SELECT-QUEEN-BEE
37860          IF SEL-TAB-SS = SZERO
37870              GO TO S-LOOP.
37880      IF 6DA-DATA-CLASS = H
37890 *      ****DISPLAY "SELECT-SUPPORT-GENERAL"
37900          PERFORM SELECT-SUPPORT-GENERAL
37910          IF SEL-TAB-SS = SZERO
37920 *          THE ONLY WAY SEL-TAB-SS WILL NOT BE = 0 AT THIS
37930 *          POINT IS WHEN A WUC OF FORM 04XXX FITS ON A SPEC-
37940 *          INSPECTION REPORT
37950              GO TO S-LOOP
37960          ELSE
37970              GO TO S-CHECK-MANHRS.
37980      IF 6DA-TYPE-MAINT = T OR Z
37990 *      ****DISPLAY "SELECT-TCTO"
38000          PERFORM SELECT-TCTO
38010              GO TO S-LOOP.
38020      IF 6DA-ATC = T OR U
38030 *      ****DISPLAY "SELECT-CANNIBALIZATION"
38040          PERFORM SELECT-CANNIBALIZATION
38050              GO TO S-LOOP.
38060      *****DISPLAY "SELECT-WDC-AND-RPT".
38070          PERFORM SELECT-WDC-AND-RPT.
38080          IF SEL-TAB-SS = SZERO
38090              GO TO S-LOOP.
38091      { MOVE 6DA-WDC TO
38092      {   NEW-WDC.
38093      { MOVE 6DA-MANHRS
38094      {   TO NEW-MAN-HOURS. }
38100      IF 3DIG-START NOT = SZERO
38110 *      ****DISPLAY "SELECT-3-DIGIT-WUC"
38120          PERFORM SELECT-3-DIGIT-WUC
38130          IF SEL-TAB-SS = SZERO
38140              GO TO S-LOOP.
38150      *****DISPLAY "SELECT-LCOM-ATC-AND-UNITS".
38160          IF 6DA-CREWSIZE NOT NUMERIC
38170              DISPLAY
38180                  GARBAGE-WARNING
38190                  6DA-RECORD
38200                  " CREW"
38210              MOVE N-15 TO REJECT-REASON
38220              MOVE ONE TO GARBAGE-FLAG
38230              PERFORM REJECT-PROCESSOR
38240              GO TO S-LOOP.
38250          PERFORM SELECT-LCOM-ATC-AND-UNITS.
38260          IF LATC-INDEX = SZERO
38270              GO TO S-LOOP.
38280      *****DISPLAY "OUTPUT-SELECT-DETAIL-D".

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

38290     PERFORM OUTPUT-SELECT-DETAIL-D.
38300     S-CHECK-MANHRS.
38310     *****DISPLAY "SELECT CHECK MANHOURS".
38320         IF MANHOURS = SZERO
38330             MOVE N-14 TO REJECT-REASON
38340             PERFORM REJECT-PROCESSOR
38350             GO TO S-LOOP.
38360     *****DISPLAY "SELECT-COMBINATION".
38370         PERFORM SELECT-COMBINATION.
38380         GO TO S-LOOP.
38390     S-EXIT.
38400     EXIT.
38410 *
38420 *
38430     USER-INPUT-SUMMARY-2 SECTION.
38440 *         THIS SECTION IN CONJUNCTION WITH
38450 *         USER INPUT-SUMMARY-1 SECTION (FROM THE INITIALIZATION
38460 *         SECTION) CONTROLS THE GENERATION OF THE S01 AND S00
38470 *         REPORTS.
38480     UIS2-START.
38490         PERFORM REPORT-PROCESSOR.
38500         MOVE SZERO TO DIR-SUMMARY-CC.
38510         PERFORM OUTPUT-S01.
38520         CLOSE
38530             S01-FILE
38540             SELECTION-REPORT-FILE.
38550         OPEN OUTPUT S00-FILE.
38560         MOVE N-100 TO LINE-CNT
38570         MOVE SPACE TO S00-REC.
38580         MOVE SZERO TO PAGE-CNT.
38590         PERFORM GENERATE-S00.
38600         MOVE SZERO TO S00-CC.
38610         PERFORM OUTPUT-S00.
38620         CLOSE S00-FILE.
38630     UIS2-EXIT.
38640     EXIT.
38650 *
38660 *
38670     SELECT-INDIRECT SECTION.
38680 *
38690 *
38700     SELI-START.
38710         MOVE SDA-WCTR TO TEST-WCTR-1-S.
38720         MOVE WCTR-START TO SEL-TAB-START.
38730         MOVE TWO TO WCTR-SPLIT.
38740         PERFORM WORKCTR-SEARCH.
38750         IF SEL-TAB-START = SZERO
38760             MOVE ONE TO REJECT-REASON
38770             PERFORM REJECT-PROCESSOR
38780             GO TO SELI-EXIT.
38790         IF RPT-ID-PRINT-CLASS (RPT-ID-SA-SS) = TWO
38800             GO TO SELI-SA-ACCUM.
38810         MOVE SEL-TAB-LINK1 (SEL-TAB-START) TO AF3C-SS.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

38820      MOVE SEL-TAB-KEY-1-5 (AFSC-SS) TO SEL-D-A-AFSC.
38830      MOVE MANHOURS TO SEL-D-A-MANHRS.
38840      PERFORM DUMMY
38850          VARYING IND-WUC-SS FROM IND-WUC-MAX BY MIN-ONE
38860          UNTIL IND-WUC-SS = SZERO
38870              OR IND-WUC-1-3 (IND-WUC-SS) = 6DA-WUC-1-3.
38880      IF IND-WUC-SS = SZERO
38890          DISPLAY GARBAGE-WARNING 6DA-RECORD " IND-WUC"
38900          MOVE N-15 TO REJECT-REASON
38910          MOVE ONE TO GARBAGE-FLAG
38920          PERFORM REJECT-PROCESSOR
38930          GO TO SELI-EXIT.
38940      MOVE IND-WUC-SS TO SEL-D-A-COL-INDEX.
38950      WRITE SELECTION-RECORD FROM SELECT-DETAIL-A.
38960      SELI-SA-ACCUM.
38970          ADD ONE TO SOO-COUNT (SOO-SA-OFFSET).
38980          ADD MANHOURS TO SOO-MANHRS (SOO-SA-OFFSET).
38990      SELI-EXIT.
39000      EXIT.
39010 *
39020 *
39030      SELECT-SRD SECTION.
39040 *
39050 *
39060      SELS-START.
39070          MOVE 6DA-SRD-1 TO SRD-1.
39080          MOVE 6DA-EQUIP-CLASS TO SRD-2-3.
39090          MOVE SRD-START TO SEL-TAB-SS.
39100          PERFORM BUMP-SEL-TAB-SS
39110              UNTIL SEL-TAB-SS = SZERO
39120                  OR SRD = SEL-TAB-KEY-1-3 (SEL-TAB-SS).
39130          MOVE SEL-TAB-SS TO SRD-SS.
39140          IF SRD-SS = SZERO
39150              MOVE TWO TO REJECT-REASON
39160              PERFORM REJECT-PROCESSOR
39170              GO TO SELS-EXIT.
39180      SELS-EXIT.
39190      EXIT.
39200 *
39210 *
39220      SELECT-6-OR-7-REC SECTION.
39230 *
39240 *
39250      SEL67-START.
39260          IF RPT-ID-PRINT-CLASS (RPT-ID-SC-SS) = TWO
39270              GO TO SEL67-ACCUM.
39280          IF 6DA-REC-ID = SIX-X
39290              GO TO SEL6-SETUP.
39300      SEL7-SETUP.
39310          IF 6DA-7-RI = R OR I
39320              MOVE ZZEROS TO SEL-D-C-WUC-1-2

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

39330      MOVE 6DA-7-RI TO SEL-D-C-RI
39340      GO TO SEL67-OUTPUT.
39350      GO TO SEL67-ERR.
39360  SEL6-SETUP.
39370      IF 6DA-6-RI = R OR I
39380          MOVE 6DA-6-WUC-1-2 TO SEL-D-C-WUC-1-2
39390          MOVE 6DA-6-RI TO SEL-D-C-RI
39400          GO TO SEL67-OUTPUT.
39410      GO TO SEL67-ERR.
39420  SEL67-OUTPUT.
39430      WRITE SELECTION-RECORD FROM SELECT-DETAIL-C.
39440  SEL67-ACCUM.
39450      ADD ONE TO SOO-COUNT (SOO-SC-OFFSET).
39460      ADD MANHOURS TO SOO-MANHRS (SOO-SC-OFFSET).
39470      GO TO SEL67-EXIT.
39480  SEL67-ERR.
39490      DISPLAY GARBAGE-WARNING 6DA-RECORD " 67-RI".
39500      MOVE N-15 TO REJECT-REASON.
39510      MOVE ONE TO GARBAGE-FLAG.
39520      PERFORM REJECT-PROCESSOR.
39530  SEL67-EXIT.
39540      EXIT.
39550 *
39560 *
39570  SELECT-LABOR-CATEGORY SECTION.
39580 *
39590 *
39600  SELLC-START.
39610      MOVE LAB-CAT-START TO SEL-TAB-SS.
39620      PERFORM BUMP-SEL-TAB-SS
39630          UNTIL SEL-TAB-SS = SZERO
39640              OR 6DA-LABOR-CATEGORY = SEL-TAB-KEY-1 (SEL-TAB-SS).
39650      IF SEL-TAB-SS = SZERO
39660          MOVE THREE TO REJECT-REASON
39670          PERFORM REJECT-PROCESSOR.
39680  SELLC-EXIT.
39690      EXIT.
39700 *
39710 *
39720  SELECT-ASSIGNMENT-CODE SECTION.
39730 *
39740 *
39750  SELAC-START.
39760      IF 6DA-117 NOT = M
39770          MOVE SZERO TO SEL-TAB-SS
39780          GO TO SELAC-NOT-FOUND.
39790      MOVE ASSIGN-CODE-START TO SEL-TAB-SS.
39800      PERFORM BUMP-SEL-TAB-SS
39810          UNTIL SEL-TAB-SS = SZERO
39820              OR 6DA-ASSIGN-CODE = SEL-TAB-KEY-1-2 (SEL-TAB-SS).
39830      IF SEL-TAB-SS NOT = SZERO
39840          GO TO SELAC-EXIT.
39850  SELAC-NOT-FOUND.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

39860      MOVE FOUR TO REJECT-REASON.
39870      PERFORM REJECT-PROCESSOR.
39880      GO TO SELAC-EXIT.
39890  SELAC-EXIT.
39900      EXIT.
39910 *
39920 *
39930  SELECT-MAJOR-COMMAND SECTION.
39940 *
39950 *
39960  SELMC-START.
39970      MOVE MAJCOM-START TO SEL-TAB-SS.
39980      PERFORM BUMP-SEL-TAB-SS
39990          UNTIL SEL-TAB-SS = SZERO
40000          OR 6DA-ACTIVITY-ID = SEL-TAB-KEY-1-2 (SEL-TAB-SS).
40010      IF SEL-TAB-SS = SZERO
40020          MOVE FIVE TO REJECT-REASON
40030          PERFORM REJECT-PROCESSOR.
40040  SELMC-EXIT.
40050      EXIT.
40060 *
40070 *
40080  SELECT-WORKCENTER SECTION.
40090 *
40100 *
40110  SELW-START.
40120      MOVE 6DA-WCTR TO TEST-WCTR-1-5.
40130      MOVE WCTR-START TO SEL-TAB-START.
40140      MOVE TWO TO WCTR-SPLIT.
40150      PERFORM WORKCTR-SEARCH.
40160      IF SEL-TAB-START NOT = SZERO
40170 *          SEL-TAB-SS WILL = SEL-TAB-START HERE
40180          MOVE SEL-TAB-LINK1 (SEL-TAB-START) TO AFSC-SS
40190          GO TO SELW-EXIT.
40200      MOVE SZERO TO SEL-TAB-SS.
40210      IF RPT-ID-PRINT-CLASS (RPT-ID-SB-SS) = TWO
40220          GO TO SELW-ACCUM.
40230      MOVE 6DA-WCTR TO SEL-D-B-WCTR.
40240      MOVE MANHOURS TO SEL-D-B-MANHRS.
40250      IF 6DA-UNITS NOT NUMERIC
40260          DISPLAY
40270              GARBAGE-WARNING
40280              6DA-RECORD
40290              " WCTR-UNITS, SET TO ZERO"
40300          MOVE 2ZEROS TO SEL-D-B-UNITS
40310      ELSE
40320          MOVE 6DA-UNITS TO SEL-D-B-UNITS.
40330      WRITE SELECTION-RECORD FROM SELECT-DETAIL-B.
40340  SELW-ACCUM.
40350      ADD ONE TO SOO-COUNT (SOO-SB-OFFSET).
40360      ADD MANHOURS TO SOO-MANHRS (SOO-SB-OFFSET).
40370      MOVE SEVEN TO REJECT-REASON.
40380      PERFORM REJECT-PROCESSOR.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

40390 SELW-EXIT.
40400     EXIT.
40410 *
40420 *
40430 SELECT-TYPE-MAINT SECTION.
40440 *
40450 *
40460 SELTM-START.
40470     MOVE TYPE-MAINT-START TO SEL-TAB-SS.
40480     PERFORM BUMP-SEL-TAB-SS
40490         UNTIL SEL-TAB-SS = SZERO
40500             OR 6DA-TYPE-MAINT = SEL-TAB-KEY-1 (SEL-TAB-SS).
40510     IF SEL-TAB-SS = SZERO
40520         MOVE EIGHT TO REJECT-REASON
40530         PERFORM REJECT-PROCESSOR.
40540 SELTM-EXIT.
40550     EXIT.
40560 *
40570 *
40580 SELECT-QUEEN-BEE SECTION.
40590 SELQB-START.
40600     GO TO
40610         SELQB-INCLUDE
40620         SELQB-EXCLUDE
40630         SELQB-ONLY
40640         DEPENDING ON QB-TAB-SS.
40650 SELQB-FAIL.
40660     MOVE SZERO TO SEL-TAB-SS.
40670     MOVE NINE TO REJECT-REASON.
40680     PERFORM REJECT-PROCESSOR.
40690     GO TO SELQB-EXIT.
40700 SELQB-INCLUDE.
40710     MOVE ONE TO SEL-TAB-SS.
40720     GO TO SELQB-EXIT.
40730 SELQB-EXCLUDE.
40740     IF 6DA-QUEEN-BEE-FLAG NOT = 0
40750         GO TO SELQB-INCLUDE.
40760     GO TO SELQB-FAIL.
40770 SELQB-ONLY.
40780     IF 6DA-QUEEN-BEE-FLAG = 0
40790         GO TO SELQB-INCLUDE.
40800     GO TO SELQB-FAIL.
40810 SELQB-EXIT.
40820     EXIT.
40830 *
40840 *
40850 SELECT-SUPPORT-GENERAL SECTION.
40860 *
40870 *
40880 SELSG-START.
40890     MOVE SZERO TO SEL-TAB-SS.
40900     IF 6DA-WUC-1-2 = WUC-03
40910         MOVE S00-SE-OFFSET TO S00-SS

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

40920          IF RPT-ID-PRINT-CLASS (RPT-ID-SE-SS) = TWO
40930              GO TO SELSG-ACCUM
40940          ELSE
40950              MOVE E TO SEL-D-EF-RPT-ID
40960              IF 6DA-UNITS NOT NUMERIC
40970                  GO TO SELSG-OUTPUT-GARBAGE-UNITS
40980              ELSE
40990                  GO TO SELSG-OUTPUT-SEL-DET-EF.
41000          IF 6DA-WUC-1-2 NOT = WUC-04
41010              GO TO SELSG-OUTPUT-SEL-DET-D.
41020          IF 3DIG-START NOT = SZERO
41030              GO TO SELSG-CHECK-SF.
41040          IF 6DA-UNITS NOT NUMERIC
41050              GO TO SELSG-OUTPUT-GARBAGE-UNITS.
41060          MOVE 6DA-UNITS TO UNITS.
41070          MOVE RPT-ID-CO-SS TO RPT-ID-SS.
41080 *          * THIS NEXT PERFORM IS THE ONLY PLACE IN THE
41090 *          * SELECT-SUPPORT-GENERAL SECTION WHERE SEL-TAB-SS
41100 *          * CAN BE SET TO ANYTHING OTHER THAN ZERO
41110          PERFORM SRD-PROCESSOR.
41120          IF SEL-TAB-SS = SZERO
41130              MOVE N-13 TO REJECT-REASON
41140              PERFORM REJECT-PROCESSOR
41150              GO TO SELSG-CHECK-SF.
41160          MOVE RPT-START TO RPT-SS.
41170          MOVE SPEC-INSP-LATC-INDEX TO LATC-INDEX.
41180          MOVE SPACE TO 6DA-WDC.
41190          SELSG-CHECK-SF.
41200          MOVE SOO-SF-OFFSET TO SOO-SS.
41210          IF RPT-ID-PRINT-CLASS (RPT-ID-SF-SS) = TWO
41220              GO TO SELSG-ACCUM.
41230          MOVE F TO SEL-D-EF-RPT-ID.
41240          SELSG-OUTPUT-SEL-DET-EF.
41250          MOVE SEL-TAB-KEY-1-5 (AFSC-SS) TO SEL-D-EF-AFSC.
41260          MOVE 6DA-WUC TO
41270              TOKEN-1-5
41280              SEL-D-EF-PRINT-WUC.
41290          MOVE MANHOURS TO SEL-D-EF-MANHRS.
41300          MOVE 6DA-UNITS TO SEL-D-EF-UNITS.
41320          MOVE TOKEN-1-5 TO SEL-D-EF-PSEUDO-WUC.
41330          WRITE SELECTION-RECORD FROM SELECT-DETAIL-EF.
41340          SELSG-ACCUM.
41350          ADD ONE TO SOO-COUNT (SOO-SS).
41360          ADD MANHOURS TO SOO-MANHRS (SOO-SS).
41370          SELSG-OUTPUT-SEL-DET-D.
41380          PERFORM OUTPUT-SELECT-DETAIL-D.
41390          GO TO SELSG-EXIT.
41400          SELSG-OUTPUT-GARBAGE-UNITS.
41410          DISPLAY GARBAGE-WARNING 6DA-RECORD "SUPPT-GEN UNITS".
41420          MOVE N-15 TO REJECT-REASON.
41430          MOVE ONE TO GARBAGE-FLAG.
41440          PERFORM REJECT-PROCESSOR.
41450          GO TO SELSG-EXIT.

```

LINE 41310 REMOVED.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

41460 SELSG-EXIT.
41470     EXIT.
41480 *
41490 *
41500 SELECT-TCTO SECTION.
41510 *
41520 *
41530 SELT-START.
41540     IF RPT-ID-PRINT-CLASS (RPT-ID-SG-SS) = TWO
41550         GO TO SELT-ACCUM.
41560     MOVE 6DA-TCTO-NO TO SEL-D-G-TCTO-NO.
41570     MOVE SEL-TAB-KEY-1-5 (AFSC-SS) TO SEL-D-G-AFSC.
41580     MOVE MANHOURS TO SEL-D-G-MANHRS.
41590     IF 6DA-UNITS NOT NUMERIC
41600         DISPLAY GARBAGE-WARNING 6DA-RECORD " TCTO-UNITS"
41610         MOVE N-15 TO REJECT-REASON
41620         MOVE ONE TO GARBAGE-FLAG
41630         PERFORM REJECT-PROCESSOR
41640         GO TO SELT-EXIT.
41650     MOVE 6DA-UNITS TO SEL-D-G-UNITS.
41660     WRITE SELECTION-RECORD FROM SELECT-DETAIL-G.
41670 SELT-ACCUM.
41680     ADD ONE TO SOO-COUNT (SOO-SG-OFFSET).
41690     ADD MANHOURS TO SOO-MANHRS (SOO-SG-OFFSET).
41700 SELT-EXIT.
41710     EXIT.
41720 *
41730 *
41740 SELECT-CANNIBALIZATION SECTION.
41750 *
41760 *
41770 SELC-START.
41780     IF RPT-ID-PRINT-CLASS (RPT-ID-SH-SS) = TWO
41790         GO TO SELC-ACCUM.
41800     MOVE SEL-TAB-KEY-1-5 (AFSC-SS) TO SEL-D-H-AFSC.
41810     MOVE 6DA-WUC TO
41820         SEL-D-H-PRINT-WUC
41830         TOKEN-1-5.
41850     MOVE TOKEN-1-5 TO SEL-D-H-PSEUDO-WUC.
41860     MOVE MANHOURS TO SEL-D-H-MANHRS.
41870     IF 6DA-UNITS NOT NUMERIC
41880         DISPLAY GARBAGE-WARNING 6DA-RECORD " CANNIBAL-UNITS"
41890         MOVE N-15 TO REJECT-REASON
41900         MOVE ONE TO GARBAGE-FLAG
41910         PERFORM REJECT-PROCESSOR
41920         GO TO SELC-EXIT.
41930     MOVE 6DA-UNITS TO SEL-D-H-UNITS.
41940     IF 6DA-ATC = T
41950         MOVE R TO SEL-D-H-RI
41960     ELSE
41970         MOVE I TO SEL-D-H-RI.
41980     WRITE SELECTION-RECORD FROM SELECT-DETAIL-H.
41990 SELC-ACCUM.

```

LINE 41840 REMOVED.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

42000      ADD ONE TO S00-COUNT (S00-SH-OFFSET).
42010      ADD MANHOURS TO S00-MANHRS (S00-SH-OFFSET).
42020      SELC-EXIT.
42030      EXIT.
42040 *
42050 *
42060      SELECT-WDC-AND-RPT SECTION.
42070 *
42080 *
42090      SELWDC-START.
42100      MOVE SZERO TO RPT-SS.
42110      MOVE SEL-TAB-LINK1 (SRD-SS) TO SEL-TAB-SS.
42120      SELWDC-SRD-RPT-LOOP.
42130      IF SEL-TAB-SS = SZERO
42140          IF RPT-SS = SZERO
42150              MOVE TEN TO REJECT-REASON
42160              GO TO SELWDC-REJECT
42170          ELSE
42180              MOVE N-13 TO REJECT-REASON
42190              GO TO SELWDC-REJECT.
42200      MOVE SEL-TAB-LINK1 (SEL-TAB-SS) TO SEL-TAB-SS2.
42210      MOVE SEL-TAB-LINK1 (SEL-TAB-SS2) TO SEL-TAB-SS3.
42220      SELWDC-WDC-LOOP.
42230      IF SEL-TAB-SS3 = SZERO
42240          GO TO SELWDC-SET-NEXT-RPT-LINK.
42250      IF 6DA-WDC NOT = SEL-TAB-KEY-1 (SEL-TAB-SS3)
42260          GO TO SELWDC-SET-NEXT-WDC.
42270      MOVE SEL-TAB-SS2 TO RPT-SS.
42280      IF 6DA-REC-ID-NUM = THREE-X
42290          IF SEL-TAB-KEY-1-NUM (RPT-SS) =
42300              RPT-ID-REPORT-CLASS (RPT-ID-OFF-EQ-SS)
42310              GO TO SELWDC-EXIT
42320          ELSE
42330              GO TO SELWDC-SET-NEXT-WDC.
42340      IF SEL-TAB-KEY-1-NUM (RPT-SS) NOT =
42350          RPT-ID-REPORT-CLASS (RPT-ID-OFF-EQ-SS)
42360          GO TO SELWDC-EXIT
42370      ELSE
42380          GO TO SELWDC-SET-NEXT-WDC.
42390      SELWDC-SET-NEXT-WDC.
42400      MOVE SEL-TAB-LINK2 (SEL-TAB-SS3) TO SEL-TAB-SS3.
42410      GO TO SELWDC-WDC-LOOP.
42420      SELWDC-SET-NEXT-RPT-LINK.
42430      MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO SEL-TAB-SS.
42440      GO TO SELWDC-SRD-RPT-LOOP.
42450      SELWDC-REJECT.
42460      PERFORM REJECT-PROCESSOR.
42470      GO TO SELWDC-EXIT.
42480      SELWDC-EXIT.
42490      EXIT.
42500 *
42510 *
42520      SELECT-3-DIGIT-WUC SECTION.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

42530 *
42540 *
42550 SEL3D-START.
42560     MOVE 3DIG-START TO SEL-TAB-SS.
42570     PERFORM BUMP-SEL-TAB-SS
42580         UNTIL SEL-TAB-SS = SZERO
42590             OR 6DA-WUC-1-3 = SEL-TAB-KEY-1-3 (SEL-TAB-SS).
42600     IF SEL-TAB-SS = SZERO
42610         MOVE N-11 TO REJECT-REASON
42620         PERFORM REJECT-PROCESSOR
42630         GO TO SEL3D-EXIT.
42640 SEL3D-EXIT.
42650     EXIT.
42660 *
42670 *
42680 SELECT-LCOM-ATC-AND-UNITS SECTION.
42690 *
42700 *
42710 SELAU-START.
42720     MOVE SZERO TO LATC-INDEX.
42730     IF 6DA-ATC = E
42740         MOVE N-12 TO REJECT-REASON
42750         PERFORM REJECT-PROCESSOR
42760         GO TO SELAU-EXIT.
42770     IF 6DA-UNITS NOT NUMERIC
42780         DISPLAY GARBAGE-WARNING 6DA-RECORD " ATC-UNITS"
42790         MOVE N-15 TO REJECT-REASON
42800         MOVE ONE TO GARBAGE-FLAG
42810         PERFORM REJECT-PROCESSOR
42820         GO TO SELAU-EXIT.
42830     MOVE 6DA-UNITS TO UNITS.
42840     PERFORM DUMMY
42850         VARYING ATC-TAB-SS FROM ATC-TAB-MAX
42860             BY MIN-ONE
42870             UNTIL ATC-TAB-SS = SZERO
42880                 OR 6DA-ATC = ATC-TAB-ATC (ATC-TAB-SS).
42890     IF ATC-TAB-SS = SZERO
42900         GO TO SELAU-GARBAGE-ATC.
42910     IF 6DA-REC-ID = THREE-X
42920         GO TO SELAU-CHECK-OFF-EQUIP.
42930     IF ATC-TAB-ON-LINK (ATC-TAB-SS) = N-100
42940         GO TO SELAU-GARBAGE-ATC.
42950     IF ATC-TAB-ON-LINK (ATC-TAB-SS) = SZERO
42960         MOVE ATC-TAB-ON-EG-LATC-INDEX (ATC-TAB-SS) TO
42970             LATC-INDEX
42980         GO TO SELAU-CHECK-UNIT-ADJUST.
42990     PERFORM DUMMY
43000         VARYING HM-TAB-SS FROM ATC-TAB-ON-LINK (ATC-TAB-SS)
43010             BY ONE
43020             UNTIL 6DA-HOW-MAL = HM-TAB-HOW-MAL (HM-TAB-SS)
43030                 OR HM-TAB-HOW-MAL (HM-TAB-SS) =
43040                     CONSTANT-OF-ALL.
43050     MOVE HM-TAB-LATC-INDEX (HM-TAB-SS) TO LATC-INDEX.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

43060      GO TO SELAU-CHECK-UNIT-ADJUST.
43070 SELAU-CHECK-OFF-EQUIP.
43080      IF ATC-TAB-OFF-LINK (ATC-TAB-SS) NOT = SZERO
43090          GO TO SELAU-GARBAGE-ATC.
43100      MOVE ATC-TAB-OFF-EQ-LATC-INDEX (ATC-TAB-SS) TO
43110          LATC-INDEX.
43120      GO TO SELAU-CHECK-UNIT-ADJUST.
43130 SELAU-CHECK-UNIT-ADJUST.
43140      IF 6DA-ATC = P OR M
43150          MULTIPLY FIVE BY UNITS-VALUE GIVING UNITS-COMP
43160          ADD FIVE TO UNITS-COMP
43170          DIVIDE TEN INTO UNITS-COMP GIVING UNITS-VALUE
43180          GO TO SELAU-EXIT.
43190      IF 6DA-ATC = Q OR N
43200          DIVIDE TWO INTO UNITS-VALUE
43210          GO TO SELAU-EXIT.
43220      GO TO SELAU-EXIT.
43230 SELAU-GARBAGE-ATC.
43240      DISPLAY GARBAGE-WARNING 6DA-RECORD " ATC".
43250      MOVE N-15 TO REJECT-REASON.
43260      MOVE ONE TO GARBAGE-FLAG.
43270      PERFORM REJECT-PROCESSOR.
43280      GO TO SELAU-EXIT.
43290 SELAU-EXIT.
43300      EXIT.
43310 *
43320 *
43330 SELECT-COMBINATION SECTION.
43340 *
43350 *
43360 SELCOM-START.
43370      MOVE TIME-1 TO COMBI-STOP-TIME.
43380      MOVE TIME-2 TO COMBI-START-TIME.
43390      MOVE 6DA-WUC TO TOKEN-1-5.
43410      MOVE TOKEN-1-5 TO COMBI-WUC.
43420      IF COMP-POS-QB-TAB-SS = ONE
43430          MOVE 6DA-COMP-POS TO COMBI-COMP-POS
43440          ELSE
43450          MOVE SPACE TO COMBI-COMP-POS.
43460      MOVE LATC-INDEX TO COMBI-LATC-INDEX.
43470      MOVE 6DA-JCN TO COMBI-JCN.
43480      MOVE 6DA-EQ-ID-NO TO COMBI-EQ-ID-NO.
43490      MOVE MANHOURS TO COMBI-MANHRS.
43500      MOVE SEL-TAB-LINK1 (AFSC-SS) TO COMBI-AFSC-INDEX.
43510      MOVE UNITS TO COMBI-UNITS.
43520      MOVE 6DA-WDC TO COMBI-WDC.
43530      MOVE 6DA-CREWSIZE TO COMBI-CREWSIZE.
43540      MOVE SEL-TAB-KEY-3 (RPT-SS) TO COMBI-RPT-ID-1.
43550      MOVE SEL-TAB-KEY-4 (RPT-SS) TO COMBI-RPT-ID-2.
43560      WRITE COMBINATION-RECORD.
43570      IF 6DA-WUC-1-2 = WUC-04
43580          MOVE S00-COMBI-04-OFFSET TO S00-SS
43590      ELSE

```

LINE 43400 REMOVED.

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

43600         MOVE S00-COMBI-OFFSET TO S00-SS.
43610         ADD ONE TO S00-COUNT (S00-SS).
43620         ADD MANHOURS TO S00-MANHRS (S00-SS).
43621         {WRITE NEW-REC-KNT.}
43630     SELCOM-EXIT.
43640         EXIT.
43650 *
43660 *
43670     OUTPUT-SELECT-DETAIL-D SECTION.
43680 *
43690 *
43700     OSDD-START.
43710         MOVE SEL-TAB-KEY-1-5 (AFSC-SS) TO SEL-D-D-AFSC.
43720         MOVE MANHOURS TO SEL-D-D-MANHRS.
43730         MOVE ONE TO ROW-INDEX.
43740         IF 6DA-REC-ID = THREE-X
43750             ADD ONE TO ROW-INDEX.
43760         IF SRD-1 = X
43770             ADD TWO TO ROW-INDEX.
43780         MOVE ROW-INDEX TO SEL-D-D-ROW-INDEX.
43790         IF 6DA-WUC-1-2 < WUC-09
43800             MOVE 6DA-WUC-2-NUM TO SEL-D-D-COL-INDEX
43810         ELSE
43820             IF 6DA-WUC-1-2 = WUC-09
43830                 MOVE EIGHT TO SEL-D-D-COL-INDEX
43840             ELSE
43850                 MOVE NINE TO SEL-D-D-COL-INDEX.
43860         WRITE SELECTION-RECORD FROM SELECT-DETAIL-D.
43870         ADD ONE TO S00-COUNT (S00-SD-OFFSET).
43880         ADD MANHOURS TO S00-MANHRS (S00-SD-OFFSET).
43890     OSDD-EXIT.
43900         EXIT.
43910 *
43920 *
43930     REJECT-PROCESSOR SECTION.
43940 *
43950 *
43960     RJP-START.
43970         MOVE 6DA-RECORD TO REJECT-RECORD.
43980         MOVE REJECT-REASON TO RJ-REASON.
43990     *****DISPLAY "SELECT REJECT NO." RJ-REASON.
44000         ADD S00-REJECT-OFFSET REJECT-REASON GIVING S00-SS.
44010         ADD ONE TO S00-COUNT (S00-SS).
44020         IF GARBAGE-FLAG NOT = SZERO
44030             GO TO RJP-EXIT.
44040         ADD MANHOURS TO S00-MANHRS (S00-SS).
44050         IF IGNORE-REJECTS-FLAG NOT = SZERO
44060             GO TO RJP-EXIT.
44070         WRITE REJECT-RECORD.
44080     RJP-EXIT.
44090         EXIT.
44100 *
44110 *

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

44120 INPUT-ABD6DA SECTION.
44130 *
44140 *
44150 I6DA-START.
44160     MOVE SZERO TO GARBAGE-FLAG.
44170     IF ABD6DA-AT-END NOT = SZERO
44180         GO TO I6DA-EXIT.
44190     READ ABD6DA-FILE
44200         AT END
44210         CLOSE ABD6DA-FILE
44220         MOVE ONE TO ABD6DA-AT-END
44230         GO TO I6DA-EXIT.
44240     ADD ONE TO S00-COUNT (1).
44250 *     IF 6DA-JCN NOT NUMERIC
44260 *         DISPLAY GARBAGE-WARNING 6DA-RECORD " JCN"
44270 *         MOVE N-15 TO REJECT-REASON
44280 *         MOVE ONE TO GARBAGE-FLAG
44290 *         PERFORM REJECT-PROCESSOR
44300 *         GO TO I6DA-START.
44310     IF 6DA-REC-ID NOT NUMERIC
44320         GO TO I6DA-GARBAGE-ERR.
44330     GO TO
44340         I6DA-CALC-MANHRS
44350         I6DA-ZERO-MANHRS
44360         I6DA-CALC-MANHRS
44370         I6DA-CALC-MANHRS
44380         I6DA-ZERO-MANHRS
44390         I6DA-ZERO-MANHRS
44400         I6DA-ZERO-MANHRS
44410         DEPENDING ON 6DA-REC-ID-NUM.
44420 I6DA-GARBAGE-ERR.
44430     DISPLAY GARBAGE-WARNING 6DA-RECORD " RECID".
44440     MOVE N-15 TO REJECT-REASON.
44450     MOVE ONE TO GARBAGE-FLAG.
44460     PERFORM REJECT-PROCESSOR.
44470     GO TO I6DA-START.
44480 I6DA-ZERO-MANHRS.
44490     MOVE SZERO TO
44500         TIME-1
44510         TIME-2
44520         MANHOURS.
44530     GO TO I6DA-EXIT.
44540 I6DA-CALC-MANHRS.
44550     PERFORM WORKTIME-MANHRS-CONVERT.
44560     IF GARBAGE-FLAG NOT = SZERO
44570         GO TO I6DA-START.
44580     ADD MANHOURS TO S00-MANHRS (1).
44590 I6DA-EXIT.
44600     EXIT.
44610 *
44620 *
44630 WORKTIME-MANHRS-CONVERT SECTION.
44640 *

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

44650 *
44660 WNC-START.
44670 IF 6DA-START-STOP-TIMES NOT NUMERIC
44680 GO TO WNC-ERR.
44690 COMPUTE TIME-1 =
44700 (6DA-STOP-MINUTES * N-1000 / N-60 +
44710 6DA-STOP-HRS * N-1000) / N-24 + 6DA-STOP-DAY * N-1000.
44720 COMPUTE TIME-2 =
44730 (6DA-START-MINUTES * N-1000 / N-60 +
44740 6DA-START-HRS * N-1000) / N-24 + 6DA-STOP-DAY * N-1000.
44750 IF TIME-2 > TIME-1
44760 SUBTRACT N-1000 FROM TIME-2.
44770 IF TIME-2 > TIME-1
44780 OR TIME-1 > (TIME-2 + N-1000)
44790 GO TO WNC-ERR.
44800 IF 6DA-MANHRS NOT NUMERIC
44810 MOVE SZERO TO MANHOURS
44820 GO TO WNC-ERR.
44830 MOVE 6DA-MANHRS TO MANHOURS.
44840 GO TO WNC-EXIT.
44850 WNC-ERR.
44860 DISPLAY GARBAGE-WARNING 6DA-RECORD " TIME-MNHR".
44870 MOVE N-15 TO REJECT-REASON.
44880 MOVE ONE TO GARBAGE-FLAG.
44890 PERFORM REJECT-PROCESSOR.
44900 GO TO WNC-EXIT.
44910 WNC-EXIT.
44920 EXIT.
44930 *
44940 *
44950 *
44960 *
* *****
* * THIS CODE IS RETRIEVED BY A $ SELECTA AGAINST FILE
* * MSMET/CDEP/PGMS/TRANS.W1
*
TRANSLATE-WUC SECTION.
* * THIS ROUTINE TRANSLATES THE 3RD THRU THE 5TH CHARS OF A WUC
* * IN ACCORDANCE WITH THE VALUE OF COMPUTER-ID (SEE THE
* * COMMENTS WITH THE TRANSLATION TABLE IN THE WORKING-STORAGE
* * SECTION). INPUT TO THE ROUTINE IS THE 5 CHAR WUC WHICH HAS
* * BEEN PLACED INTO THE DATA-NAME TOKEN. OUTPUT FROM THE
* * ROUTINE IS THE TRANSLATED WUC WHICH WILL ALSO BE FOUND IN
* * TOKEN. THE ROUTINE DOES THIS BY REFERING TO TOKEN BY ITS
* * MULTIPLY-OCCURRING SUBDEFINITION, TOK, AND THE TOKEN-RELATED
* * SUBSCRIPT, TOK-SS, IN ADDITION TO THOSE DATA AREAS OTHER-
* * WISE ASSOCIATED WITH THE TRANSLATION TABLES.
*
* *****
* * THIS CODE IS RETRIEVED BY A $ SELECTA AGAINST FILE
* * MSMET/CDEP/PGMS/TRANS.W2
*
TW-START.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

PERFORM TW-JUMP THRU TW-EXIT1
  VARYING TOK-SS FROM 3 BY 1
  UNTIL TOK-SS > 5.
GO TO TW-EXIT.
TW-JUMP.
  GO TO
    TW-TRANS-CDC-2-SORT
    TW-TRANS-HW-2-SORT
    TW-TRANS-SORT-2-HW
    TW-TRANS-SORT-2-CDC
  DEPENDING ON COMPUTER-ID.
DISPLAY "*****".
DISPLAY "* INVALID COMPUTER-ID VALUE =" COMPUTER-ID.
DISPLAY "* PROGRAM HALTED".
DISPLAY "*****".
STOP RUN.
TW-TRANS-CDC-2-SORT.
  MOVE ZERO TO TRANSL-SS1-CDC.
  MOVE TOK (TOK-SS) TO
    TRANSL-SS1-CDC-CHAR.
  ADD 1 TO TRANSL-SS1-CDC.
  MOVE TRANS-CDC-2-SORT (TRANSL-SS1-CDC) TO
    TRANSL-SS1-CDC-CHAR.
  IF TRANSL-SS1-CDC-CHAR NOT = EQUALSIGN
    MOVE TRANSL-SS1-CDC-CHAR TO TOK (TOK-SS).
  GO TO TW-EXIT1.
TW-TRANS-HW-2-SORT.
  MOVE ZERO TO TRANSL-SS2-HW.
  MOVE TOK (TOK-SS) TO
    TRANSL-SS2-HW-CHAR.
  ADD 1 TO TRANSL-SS2-HW.
  MOVE TRANS-HW-2-SORT (TRANSL-SS2-HW) TO
    TRANSL-SS2-HW-CHAR.
  IF TRANSL-SS2-HW-CHAR NOT = EQUALSIGN
    MOVE TRANSL-SS2-HW-CHAR TO TOK (TOK-SS).
  GO TO TW-EXIT1.
TW-TRANS-SORT-2-HW.
  MOVE ZERO TO TRANSL-SS2-HW.
  MOVE TOK (TOK-SS) TO
    TRANSL-SS2-HW-CHAR.
  ADD 1 TO TRANSL-SS2-HW.
  MOVE TRANS-SORT-2-HW (TRANSL-SS2-HW) TO
    TRANSL-SS2-HW-CHAR.
  IF TRANSL-SS2-HW-CHAR NOT = EQUALSIGN
    MOVE TRANSL-SS2-HW-CHAR TO TOK (TOK-SS).
  GO TO TW-EXIT1.
TW-TRANS-SORT-2-CDC.
  MOVE ZERO TO TRANSL-SS1-CDC.
  MOVE TOK (TOK-SS) TO
    TRANSL-SS1-CDC-CHAR.
  ADD 1 TO TRANSL-SS1-CDC.
  MOVE TRANS-SORT-2-CDC (TRANSL-SS1-CDC) TO
    TRANSL-SS1-CDC-CHAR.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)



```

        IF TRANSL-SS1-CDC-CHAR NOT = EQUALSIGN
            MOVE TRANSL-SS1-CDC-CHAR TO TOK (TOK-SS).
        GO TO TW-EXIT1.
    TW-EXIT1.
        EXIT.
    TW-EXIT.
        EXIT.
    *
    *
44990 *
45000 *
45010 GENERATE-S00 SECTION.
45020 *
45030 *
45040 GSO-START.
45050     PERFORM GENERATE-S00-DETAIL
45060     VARYING S00-SS FROM ONE BY ONE
45070     UNTIL S00-SS > S00-MAX.
45080     MOVE S00-FOOTNOTE TO S00-OUT.
45090     MOVE THREE TO S00-CC.
45100     PERFORM OUTPUT-S00.
45110 GSO-EXIT.
45120     EXIT.
45130 *
45140 *
45150 GENERATE-S00-DETAIL SECTION.
45160 *
45170 *
45180 GSOD-START.
45190     GO TO
45200         GSOD-START-INPUT-LOG
45210         GSOD-START-REJECT-LOG
45220         GSOD-LOG-DETAIL
45230         GSOD-LOG-DETAIL
45240         GSOD-LOG-DETAIL
45250         GSOD-LOG-DETAIL
45260         GSOD-LOG-DETAIL
45270         GSOD-LOG-DETAIL
45280         GSOD-LOG-DETAIL
45290         GSOD-LOG-DETAIL
45300         GSOD-LOG-DETAIL
45310         GSOD-LOG-DETAIL
45320         GSOD-LOG-DETAIL
45330         GSOD-LOG-DETAIL
45340         GSOD-LOG-DETAIL
45350         GSOD-LOG-DETAIL
45360         GSOD-LOG-DETAIL
45370         GSOD-START-SRPTS-LOG
45380         GSOD-LOG-DETAIL
45390         GSOD-LOG-DETAIL
45400         GSOD-LOG-DETAIL
45410         GSOD-LOG-DETAIL
45420         GSOD-LOG-DETAIL

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

45430      GSOD-LOG-DETAIL
45440      GSOD-LOG-DETAIL
45450      GSOD-START-CRPTS-LOG
45460      GSOD-LOG-DETAIL
45470      DEPENDING ON S00-SS.
45480  GSOD-START-INPUT-LOG.
45490      MOVE S00-PRINT-INPUT TO S00-SH-DIRECTION.
45500      GO TO GSOD-LOG-DETAIL.
45510  GSOD-START-REJECT-LOG.
45520      MOVE S00-PRINT-OUTPUT TO S00-SH-DIRECTION.
45530      MOVE S00-SUBHEADER TO S00-OUT.
45540      MOVE THREE TO S00-CC.
45550      PERFORM OUTPUT-S00.
45560      MOVE S00-REJECT-TITLE TO S00-OUT.
45570      MOVE TWO TO S00-CC.
45580      PERFORM OUTPUT-S00.
45590      GO TO GSOD-LOG-DETAIL.
45600  GSOD-START-SRPTS-LOG.
45610      MOVE S00-SELECTION RPT-TITLE TO S00-OUT.
45620      MOVE TWO TO S00-CC.
45630      PERFORM OUTPUT-S00.
45640      GO TO GSOD-LOG-DETAIL.
45650  GSOD-START-CRPTS-LOG.
45660      MOVE S00-COMBINATION-RPT-TITLE TO S00-OUT.
45670      MOVE TWO TO S00-CC.
45680      PERFORM OUTPUT-S00.
45690      GO TO GSOD-LOG-DETAIL.
45700  GSOD-LOG-DETAIL.
45710      MOVE S00-TAB-TITLE (S00-SS) TO S00-D-TITLE.
45720      MOVE S00-TAB-COUNT-FLAG (S00-SS) TO S00-D-COUNT-FLAG.
45730      MOVE S00-COUNT (S00-SS) TO S00-D-COUNT.
45740      MOVE S00-MANHRS (S00-SS) TO DISPLAY-UNITS.
45750      MOVE DISPLAY-10THS TO S00-D-MANHRS.
45760      MOVE S00-DETAIL TO S00-OUT.
45770      MOVE ONE TO S00-CC.
45780      PERFORM OUTPUT-S00.
45790      GO TO GSOD-EXIT.
45800  GSOD-EXIT.
45810      EXIT.
45820 *
45830 *
45840  OUTPUT-S00 SECTION.
45850 *   THE APPARENT INEFFICIENCIES RESULTING FROM FAKING AN
45860 *   "AFTER ADVANCING" BY USE OF "BEFORE ADVANCING" AC-
45870 *   KNOWLEDGES THE FACT THAT HONEYWELL GCOS-BASED COBOL
45880 *   GENERATES 2 OUTPUT LINES IN AN "AFTER ADVANCING" MODE
45890 *   BECAUSE THE GCOS SYSTEM OUTPUT ROUTINES ALWAYS SLEW
45900 *   BEFORE PRINTING.  THESE 2 PRINTLINES BOTH GET COUNTED
45910 *   AGAINST THE JOB PRINTLINE LIMIT.  THIS METHOD
45920 *   SHOULDN'T CAUSE MUCH EXTRA GRIEF ON CDC CYBER MACHINES.
45930 *
45940  OSO-START.
45950      IF (LINE-CNT + S00-CC) > MAX-LINES-PER-PAGE

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

45960      WRITE SOO-REC BEFORE ADVANCING TOP
45970      MOVE SPACE TO SOO-REC
45980      WRITE SOO-REC BEFORE ADVANCING THREE
45990      MOVE CDEF-VERSION TO SOO-HEAD0-VERSION
46000      MOVE SOO-HEADER-0 TO SOO-REC
46010      WRITE SOO-REC BEFORE ADVANCING ONE
46020      ADD ONE PAGE-CNT GIVING
46030          PAGE-CNT SOO-H-PAGE-CNT
46040      MOVE SOO-HEADER TO SOO-REC
46050      WRITE SOO-REC BEFORE ADVANCING ONE
46060      MOVE REPORT-GROUP-TITLE TO SOO-HEAD-2-TITLE
46070      MOVE SOO-HEADER-2 TO SOO-REC
46080      WRITE SOO-REC BEFORE ADVANCING TWO
46090      MOVE SOO-SUBHEADER TO SOO-REC
46100      WRITE SOO-REC BEFORE ADVANCING TWO
46110      MOVE NINE TO LINE-CNT
46120      ADD FOUR TO SOO-CNT
46130      ELSE
46140          WRITE SOO-REC BEFORE ADVANCING SOO-CC
46150          ADD SOO-CC TO LINE-CNT.
46160      MOVE SOO-OUT TO SOO-REC.
46170      ADD ONE TO SOO-CNT.
46180      OSO-EXIT.
46190      EXIT.
46200 /
46210      DUMP-SEL-TABLE SECTION.
46220 *      THIS SECTION DISPLAYS THE ENTIRE CONTENTS OF THE
46230 *      SELECTION TABLE THAT WERE USED UP BY A RUN OF
46240 *      THE PROGRAM.
46250      DST-START.
46260      DISPLAY "SELECTION TABLE .JMP".
46270      MOVE 3DIG-START TO DISPLAY-UNITS.
46280      DISPLAY "3DIG-START=" DISPLAY-UNITS.
46290      MOVE AFSC-START TO DISPLAY-UNITS.
46300      DISPLAY "AFSC-START=" DISPLAY-UNITS.
46310      MOVE ASSIGN-CODE-START TO DISPLAY-UNITS.
46320      DISPLAY "ASSIGN-CODE-START=" DISPLAY-UNITS.
46330      MOVE LAB-CAT-START TO DISPLAY-UNITS.
46340      DISPLAY "LAB-CAT-START=" DISPLAY-UNITS.
46350      MOVE MAJCOM-START TO DISPLAY-UNITS.
46360      DISPLAY "MAJCOM-START=" DISPLAY-UNITS.
46370      MOVE RPT-START TO DISPLAY-UNITS.
46380      DISPLAY "RPT-START=" DISPLAY-UNITS.
46390      MOVE SRD-START TO DISPLAY-UNITS.
46400      DISPLAY "SRD-START=" DISPLAY-UNITS.
46410      MOVE TYPE-MAINT-START TO DISPLAY-UNITS.
46420      DISPLAY "TYPE-MAINT-START=" DISPLAY-UNITS.
46430      MOVE WCTR-START TO DISPLAY-UNITS.
46440      DISPLAY "WCTR-START=" DISPLAY-UNITS.
46450      DISPLAY " ".
46460      DISPLAY "ENTRY#...KEY...LINK1...LINK2".
46470      PERFORM DST-SHOW-ENTRY
46480          VARYING SEL-TAB-SS FROM ONE BY ONE

```

FIGURE G-1. JG05A/CDEF/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

46490          UNTIL SEL-TAB-SS NOT < SEL-TAB-AVAIL.
46500          GO TO DST-EXIT.
46510 *
46520  DST-SHOW-ENTRY.
46530          MOVE SEL-TAB-SS TO D-S-T-E-ENTRY-NO.
46540          MOVE SEL-TAB-KEY (SEL-TAB-SS) TO D-S-T-E-KEY.
46550          MOVE SEL-TAB-LINK1 (SEL-TAB-SS) TO D-S-T-E-LINK1.
46560          MOVE SEL-TAB-LINK2 (SEL-TAB-SS) TO D-S-T-E-LINK2.
46570          IF D-S-T-E-KEY-3 = HIGH-VALUE
46580              MOVE QUOTE TO D-S-T-E-KEY-3.
46590          IF D-S-T-E-KEY-4 = HIGH-VALUE
46600              MOVE QUOTE TO D-S-T-E-KEY-4.
46610          DISPLAY DUMP-SEL-TAB-ENTRY.
46620  DST-EXIT.
46630  EXIT.

```

FIGURE G-1. JG05A/CDEP/CSTAR/P2.C  
(UNCOMPILED VERSION CONT'D)

```

00010 IDENTIFICATION DIVISION.
00020 PROGRAM-ID. SELRPT.
00030 AUTHOR. AFMSMET.
00040 INSTALLATION. W-PAFB, OH.
00050 DATE-COMPILED.
00060 SECURITY. UNCLASSIFIED.
00070 ENVIRONMENT DIVISION.
00080 CONFIGURATION SECTION.
00090 INPUT-OUTPUT SECTION.
00100 FILE-CONTROL.
00110     SELECT RPT-FIL ASSIGN TO T1.
00120     SELECT ERR-FIL ASSIGN TO L2 FOR LISTING.
00130     SELECT OUT-FIL ASSIGN TO L1 FOR LISTING.
00140     SELECT B4-FIL ASSIGN TO T2.
00150 I-O-CONTROL.
00160     APPLY SYSTEM STANDARD ON
00170         RPT-FIL ERR-FIL OUT-FIL B4-FIL.
00180 DATA DIVISION.
00190 FILE SECTION.
00200 FD RPT-FIL
00210     LABEL RECORD STANDARD
00220     DATA RECORD IS RPT-REC.
00230 01 RPT-REC.
00240     03 RPT-CODE                                PIC A.
00250     03 TCTO.
00260         05 WUC-1-2                            PIC XX.
00270         05 PSEUDO-WUC                        PIC X(5).
00280     03 WKCTR                                PIC X(5).
00290     03 AFSC REDEFINES WKCTR                  PIC X(5).
00300     03 MANHOURS                            PIC 9999.
00310     03 UNITS-PROD                          PIC 99.
00320     03 COL-INDEX                          PIC 9.
00330     03 ROW-INDEX                          PIC 9.
00340     03 R-I-FLAG                            PIC X.
00350     03 REAL-WUC                            PIC X(5).
00360     03 FILLER                              PIC X(18).
00370 01 HEADER-RECORD.
00380     03 FILLER                                PIC X.
00390     03 HEADER-KEY-2                        PIC X(12).
00400     03 OPTION                              PIC 9.
00410     03 REPORT-GROUP-TITLE.
00420         05 SORTIE-FLYHRS                    PIC 9(6).
00430         05 SF-TITLE                        PIC X(7).
00440         05 FILLER                          PIC X(18).
00450 FD OUT-FIL
00460     LABEL RECORD STANDARD
00470     DATA RECORD IS OUT.
00480 01 OUT                                PIC X(132).

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FIGURE G-2. JG05A/CDEP/CSTAR/P3.C (UNCOMPILED VERSION)

00490	FD	ERR-FIL	
00500		LABEL RECORD STANDARD	
00510		DATA RECORD IS ERR.	
00520	01	ERR	PIC X(66).
00530	FD	B4-FIL	
00540		LABEL RECORD STANDARD	
00550		DATA RECORD IS B4-REC.	
00560	01	B4-REC.	
00570		03 FILLER	PIC X(9).
00580		03 WUC-NAME.	
00590		05 B4-PSEUDO-WUC	PIC X(5).
00600		05 B4-WUC-TITLE	PIC X(19).
00610		03 FILLER	PIC X(47).
00620	/		
00630		WORKING-STORAGE SECTION.	
00640	*		
00650	*		
00660	01	CDEP-VERSION	PIC X(10) VALUE "1.1".
00670	*		
00680	01	IN-COUNT	PIC 9(10) COMP-1 VALUE 0.
00690	01	ERR-COUNT	PIC 9999 COMP-1 VALUE 0.
00700	01	ERR-OUT.	
00710		03 ERR-REASON	PIC XXXX.
00720		03 FILLER	PIC X VALUE "-".
00730		03 ERR-DETAIL	PIC X(45).
00740		03 FILLER	PIC X(5) VALUE "-CNT=".
00750		03 ERR-CNT	PIC Z(9)9.
00760	01	ERR-TOP.	
00770		03 FILLER	PIC X(39) VALUE
00780		"*** SELECTION REPORT PROCESSING LOG ***".	
00790	01	ERR-VERSION-MSG.	
00800		03 FILLER	PIC XXXX VALUE "*** ".
00810		03 FILLER	PIC X(29) VALUE
00820		"CDEP STANDARD H.I.S. VERSION ".	
00830		03 ERR-V-M-VERSION	PIC X(10).
00840	01	ERR-LIMIT-MSG.	
00850		03 FILLER	PIC X(37) VALUE
00860		"MORE THAN 100 ERRORS. RU" TERMINATED.".	
00870	*		
00880	*		
00890	01	A-1HDR.	
00900		03 FILLER	PIC X(12) VALUE SPACES.
00910		03 FILLER	PIC X(8) VALUE "REPORT S".
00920		03 ARPT-TYPE	PIC X.
00930		03 FILLER	PIC X(28) VALUE SPACES.
00940		03 FILLER	PIC X(31) VALUE
00950		"MDC INDIRECT MAN-HOURS REPORTED".	
00960		03 FILLER	PIC X(40) VALUE SPACES.
00970		03 FILLER	PIC X(6) VALUE "PAGE ".
00980		03 APAGE-NBR	PIC ZZZ9.
00990	01	A-2HDR.	

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

01000	03 FILLER	PIC X(42) VALUE SPACES.
01010	03 FILLER	PIC X(46) VALUE
01020	"**** WARNING: NOT REPORTED AGAINST AN SRD ****".	
01030	01 A-3HDR.	
01040	03 FILLER	PIC X(26) VALUE SPACES.
01050	03 FILLER	PIC X(49) VALUE
01060	"**** SEE USER INPUT SELECTION SUMMARY REPORT S01 "	
01070	03 FILLER	PIC X(27) VALUE
01080	"FOR SELECTION CRITERIA ****".	
01090	01 A-4HDR.	
01100	03 FILLER	PIC X(8) VALUE SPACES.
01110	03 FILLER	PIC X(13) VALUE "AFSC
01120	03 FILLER	PIC X(15) VALUE
01130	"ALT**	".
01140	03 FILLER	PIC X(15) VALUE
01150	"CMP**	".
01160	03 FILLER	PIC X(15) VALUE
01170	"DTL**	".
01180	03 FILLER	PIC X(15) VALUE
01190	"LVE**	".
01200	03 FILLER	PIC X(20) VALUE
01210	"TRN**	".
01220	03 FILLER	PIC X(5) VALUE "TOTAL".
01230	01 A-DTL.	
01240	03 FILLER	PIC X(7) VALUE SPACES.
01250	03 A-AFSC	PIC X(5).
01260	03 FILLER	PIC X(2) VALUE SPACES.
01270	03 1-MNHR	PIC Z(9)9.9.
01280	03 FILLER	PIC XXX VALUE SPACES.
01290	03 2-MNHR	PIC Z(9)9.9.
01300	03 FILLER	PIC XXX VALUE SPACES.
01310	03 3-MNHR	PIC Z(9)9.9.
01320	03 FILLER	PIC XXX VALUE SPACES.
01330	03 4-MNHR	PIC Z(9)9.9.
01340	03 FILLER	PIC XXX VALUE SPACES.
01350	03 5-MNHR	PIC Z(9)9.9.
01360	03 FILLER	PIC X(6) VALUE SPACES.
01370	03 ADTL-TOT	PIC Z(11)9.9.
01380	01 OLD-RPT-CODE	PIC A.
01390	01 UNIT-DUMMY	PIC 9(10).
01400	01 TENTH-DUMMY REDEFINES UNIT-DUMMY	PIC 9(9)V9.
01410	01 TOTAL-PAGE-COUNT	PIC 9(8) COMP-1 VALUE 0.
01420	01 PAGE-CTR	PIC 9(6) COMP-1 VALUE 0.
01430	01 LINE-CTR	PIC 999 COMP-1 VALUE 0.
01440	01 MAX-LINES-PER-PAGE	PIC 9999 COMP-1 VALUE 54.
01450	01 OLD-AFSC	PIC X(5).
01460	01 A-TOTAL	PIC 9(9) COMP-1.
01470	01 AGRAN-TOTAL	PIC 9(10) COMP-1.
01480	01 ALINE-TABLE.	
01490	03 A-MNHR OCCURS 5 TIMES	PIC 9(8) COMP-1.
01500	01 ATOT-TABLE.	

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

01510	03	A-TOT OCCURS 5 TIMES	PIC 9(9) COMP-1.
01520	*	THIS SECTION OF DATA DIVISION IS FOR B RPT-CODE.	
01530	01	B-1HDR.	
01540	03	FILLER	PIC X(12) VALUE SPACES.
01550	03	FILLER	PIC X(8) VALUE "REPORT S".
01560	03	BRPT-TYPE	PIC X.
01570	03	FILLER	PIC X(13) VALUE SPACES.
01580	03	FILLER	PIC X(49) VALUE
01590		"REPORTING WORKCENTERS NOT FOUND IN WORKCENTER-TO-".	
01600	03	FILLER	PIC X(9) VALUE "AFSC LIST".
01610	03	FILLER	PIC X(17) VALUE SPACES.
01620	03	FILLER	PIC X(5) VALUE "PAGE ".
01630	03	BPAGE-NBR	PIC ZZZ9 VALUE ZERO.
01640	01	B-2HDR.	
01650	03	FILLER	PIC X(25) VALUE SPACES.
01660	03	FILLER	PIC X(49) VALUE
01670		"**** SEE USER INPUT SELECTION SUMMARY REPORT S01 ".	
01680	03	FILLER	PIC X(27) VALUE
01690		"FOR SELECTION CRITERIA ****".	
01700	01	B-3HDR.	
01710	03	FILLER	PIC X(13) VALUE "WORKCENTER ".
01720	03	FILLER	PIC X(13) VALUE " MDC RECORDS".
01730	03	FILLER	PIC X(5) VALUE SPACES.
01740	03	FILLER	PIC X(11) VALUE "TOTAL UNITS".
01750	03	FILLER	PIC X(5) VALUE SPACES.
01760	03	FILLER	PIC X(8) VALUE "MANHOURS".
01770	03	FILLER	PIC X(9) VALUE SPACES.
01780	03	FILLER	PIC X(10) VALUE "WORKCENTER".
01790	03	FILLER	PIC X(5) VALUE SPACES.
01800	03	FILLER	PIC X(11) VALUE "MDC RECORDS".
01810	03	FILLER	PIC X(5) VALUE SPACES.
01820	03	FILLER	PIC X(11) VALUE "TOTAL UNITS".
01830	03	FILLER	PIC X(5) VALUE SPACES.
01840	03	FILLER	PIC X(8) VALUE "MANHOURS".
01850	01	B-DTL-SUBREC	VALUE SPACE.
01860	03	FILLER	PIC XX.
01870	03	B-D-WCTR	PIC X(5).
01880	03	FILLER	PIC X(8).
01890	03	B-D-REC-CNT	PIC Z(7)9.
01900	03	FILLER	PIC X(8).
01910	03	B-D-UNITS	PIC Z(7)9.
01920	03	FILLER	PIC X(6).
01930	03	B-D-MNHR	PIC Z(6)9.9.
01940	03	FILLER	PIC X(10).
01950	01	B-DTL-REC.	
01960	03	B-DTL-SUBREC-OUT	PIC X(64) OCCURS 2.
01970	01	SW	PIC 9(6) COMP-1.
01980	01	B-COUNTERS.	
01990	03	B-REC-CNT	PIC 9(8) COMP-1.
02000	03	B-UNITS	PIC 9(8) COMP-1.
02010	03	B-MNHR	PIC 9(8) COMP-1.

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)



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02020 01 OLD-WKCTR PIC X(5).
02030 * THIS SECTION OF CODE PERTAINS TO RPT-TYPE C
02040 01 C-1HDR.
02050 03 FILLER PIC X(12) VALUE SPACES.
02060 03 FILLER PIC X(8) VALUE "REPORT S".
02070 03 CRPT-TYPE PIC X.
02080 03 FILLER PIC X(18) VALUE SPACES.
02090 03 FILLER PIC X(46) VALUE
02100 "SERIALLY CONTROLLED REMOVALS AND INSTALLATIONS".
02110 03 FILLER PIC X(24) VALUE SPACES.
02120 03 FILLER PIC X(5) VALUE "PAGE ".
02130 03 CPAGE-NBR PIC ZZZ9.
02140 01 C-2HDR.
02150 03 FILLER PIC X(48) VALUE SPACES.
02160 03 FILLER PIC X(16) VALUE
02170 "REPORTED DURING ".
02180 03 C-HDRSF PIC ZZZZZ9.
02190 03 FILLER PIC X VALUE SPACE.
02200 03 C-HDRTITLE PIC X(7) VALUE SPACES.
02210 01 C-3HDR.
02220 03 FILLER PIC X(28) VALUE SPACES.
02230 03 FILLER PIC X(49) VALUE
02240 "**** SEE USER INPUT SELECTION SUMMARY REPORT S01 ".
02250 03 FILLER PIC X(27) VALUE
02260 "FOR SELECTION CRITERIA ****".
02270 01 C-4HDR.
02280 03 FILLER PIC X(24) VALUE SPACES.
02290 03 FILLER PIC X(8) VALUE "REMOVALS".
02300 03 FILLER PIC X(13) VALUE SPACES.
02310 03 FILLER PIC X(5) VALUE "MEAN ".
02320 03 C4HDR-TITLE1 PIC X(7) VALUE SPACES.
02330 03 FILLER PIC X(12) VALUE SPACES.
02340 03 FILLER PIC X(13) VALUE "INSTALLATIONS".
02350 03 FILLER PIC X(11) VALUE SPACES.
02360 03 FILLER PIC X(5) VALUE "MEAN ".
02370 03 C4HDR-TITLE2 PIC X(7) VALUE "SPACES".
02380 01 C-5HDR.
02390 03 FILLER PIC X(24) VALUE SPACES.
02400 03 FILLER PIC X(8) VALUE "REPORTED".
02410 03 FILLER PIC X(11) VALUE SPACES.
02420 03 FILLER PIC X(16) VALUE
02430 "BETWEEN REMOVALS".
02440 03 FILLER PIC X(12) VALUE SPACES.
02450 03 FILLER PIC X(8) VALUE "REPORTED".
02460 03 FILLER PIC X(10) VALUE SPACES.
02470 03 FILLER PIC X(21) VALUE
02480 "BETWEEN INSTALLATIONS".
02490 01 C-DTL.
02500 03 FILLER PIC X(7) VALUE SPACES.
02510 03 C-DTL-WUC.
02520 05 C-DTL-WUC-1-2 PIC XX.

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FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

02530	05 C-DTL-WUC-3-4-5	PIC X(6).	
02540	03 FILLER	PIC X(11) VALUE SPACES.	
02550	03 C-DTL-REMO	PIC ZZZ9 VALUE ZERO.	
02560	03 FILLER	PIC X(16) VALUE SPACES.	
02570	03 C-DTL-SOREM-X.		
02580	05 C-DTL-SOREM	PIC ZZZZ9.9 VALUE ZERO.	
02590	03 FILLER	PIC X(20) VALUE SPACES.	
02600	03 C-DTL-INST	PIC ZZZ9 VALUE ZERO.	
02610	03 FILLER	PIC X(17) VALUE SPACES.	
02620	03 C-DTL-SORIN-X.		
02630	05 C-DTL-SORIN	PIC ZZZZ9.9 VALUE ZERO.	
02640	01 C-SYSTEM-SUBHEADER.		
02650	03 FILLER	PIC X(15) VALUE	
02660	" SYSTEM: ".		
02670	01 OLD-WUC-1-2	PIC XX.	
02680	01 TEMP	PIC 99 COMP-1.	
02690	01 C-SORTIE-FLYHRS	PIC 9(6) COMP-1.	
02700	01 C-REMO-CNT	PIC 9(5) COMP-1 VALUE ZERO.	
02710	01 C-INST-CNT	PIC 9(5) COMP-1 VALUE ZERO.	
02720	01 C-SOR-REM	PIC 9(5)V9 VALUE ZERO.	
02730	0. C-SOR-INST	PIC 9(5)V9 VALUE ZERO.	
02740	*THIS SECTION OF CODE PERTAINS TO RCD-TYPE D.		
02750	01 D-1HDR.		
02760	03 FILLER	PIC X(12) VALUE SPACES.	
02770	03 FILLER	PIC X(8) VALUE "REPORT S".	
02780	03 DRPT-TYPE	PIC X.	
02790	03 FILLER	PIC X(34) VALUE SPACES.	
02800	03 FILLER	PIC X(30) VALUE	
02810	"SELECTED MANHOURS REPORTED FOR".		
02820	03 FILLER	PIC X(36) VALUE SPACES.	
02830	03 FILLER	PIC X(5) VALUE "PAGE ".	
02840	03 DPAGE-NBR	PIC ZZZ9 VALUE ZERO.	
02850	01 D-2HDR.		
02860	03 FILLER	PIC X(27) VALUE SPACES.	
02870	03 FILLER	PIC X(49) VALUE	
02880	"**** SEE USER INPUT SELECTION SUMMARY REPORT S01 ".		
02890	03 FILLER	PIC X(27) VALUE	
02900	"FOR SELECTION CRITERIA ****".		
02910	01 D-3HDR.		
02920	03 FILLER	PIC XXXX VALUE "AFSC".	
02930	03 FILLER	PIC X(11) VALUE SPACES.	
02940	03 FILLER	PIC X(9) VALUE "WUC--> "	
02950	03 FILLER	PIC X(11) VALUE "01000 "	
02960	03 FILLER	PIC X(11) VALUE "02000 "	
02970	03 FILLER	PIC X(11) VALUE "03*** "	
02980	03 FILLER	PIC X(11) VALUE "04*** "	
02990	03 FILLER	PIC X(11) VALUE "05000 "	
03000	03 FILLER	PIC X(11) VALUE "06000 "	
03010	03 FILLER	PIC X(11) VALUE "07000 "	
03020	03 FILLER	PIC X(11) VALUE "09000 "	
03030	03 FILLER	PIC X(12) VALUE "11000+ "	

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

03040	03 FILLER	PIC X(5) VALUE "TOTAL".
03050	01 D-LINE-TITLE-TABLE.	
03060	03 FILLER	PIC X(12) VALUE "ON EQUIP".
03070	03 FILLER	PIC X(12) VALUE "OFF EQUIP".
03080	03 FILLER	PIC X(12) VALUE "ON ENGINE".
03090	03 FILLER	PIC X(12) VALUE "OFF ENGINE".
03100	03 FILLER	PIC X(12) VALUE "TOTAL".
03110	01 D-L-T-R REDEFINES D-LINE-TITLE-TABLE.	
03120	03 D-LINE-TITLE	PIC X(12) OCCURS 5 TIMES.
03130	01 D-DTL.	
03140	03 FILLER	PIC X(6) VALUE SPACES.
03150	03 DDTL-TITLE	PIC X(12).
03160	03 DDTL-MNHR	PIC Z(8)9.9 OCCURS 10 TIMES.
03170	01 TEMP-LINE-CTR	PIC 9.
03180	01 MAX	PIC 99.
03190	01 EFGH-SRDS	PIC X(30).
03200	01 EFGH-OPTION	PIC X.
03210	01 VAR-WUC	PIC X(2).
03220	01 OLD-PSEUDO-WUC-TCTO.	
03230	03 OLD-PSEUDO-WUC	PIC X(5).
03240	03 FILLER	PIC XX.
03250	01 B4-OPEN	PIC X.
03260	01 EFGH-TABLE.	
03270	03 EFGH-MAX	PIC 9(6) COMP-1 VALUE 200.
03280	03 EFGH-SS	PIC 9(6) COMP-1.
03290	03 EFGH-SS1	PIC 9(6) COMP-1.
03300	03 EFGH-START	PIC 9(6) COMP-1.
03310	03 EFGH-CURRENT-START	PIC 9(6) COMP-1 VALUE 0.
03320	03 EFGH-LAST	PIC 9(6) COMP-1 VALUE 0.
03330	03 EFGH-END	PIC 9(6) COMP-1 VALUE 0.
03340	03 EFGH-AVAIL	PIC 9(6) COMP-1.
03350	03 H-RI-R-SS	PIC 9(6) COMP-1.
03360	03 H-RI-I-SS	PIC 9(6) COMP-1.
03370	03 EFGH-ENTRY OCCURS 200 TIMES.	
03380	05 EFGH-AFSC	PIC X(5).
03390	05 EFGH-RI	PIC X.
03400	05 EFGH-MNHR	PIC 9(8) COMP-1.
03410	05 EFGH-UNITS	PIC 9(8) COMP-1.
03420	05 EFGH-LINK	PIC 9(8) COMP-1.
03430	01 EFGH-PRINT-TITLE.	
03440	03 EFGH-G-TITLE.	
03450	05 FILLER	PIC X(5).
03460	05 EFH-PRINT-WUC	PIC X(5).
03470	05 FILLER	PIC XX.
03480	05 EFH-PRINT-NAME.	
03490	07 FILLER	PIC X(5).
03500	07 G-PRINT-TCTO	PIC X(10).
03510	07 FILLER	PIC X(5).
03520	05 FILLER	PIC XX VALUE SPACES.
03530	03 FILLER	PIC X(5) VALUE "TOTAL".
03540	01 AFSC-TITLE	PIC X(14) VALUE

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

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03550      "AFSC'S----->".
03560 01 EFGH-GROUP-HEAD.
03570      03 EFGH-GROUP-HEAD-TITLE      PIC X(49).
03580      03 EFGH-GROUP-HEAD-AFSC-TITLE.
03590      05 FILLER                      PIC X(11).
03600      05 EFGH-ENTRY OCCURS 6 TIMES.
03610      07 FILLER                      PIC X(5).
03620      07 EFGH-GROUP-HEAD-AFSC      PIC X(5).
03630 01 EFGH-DTL-1.
03640      03 FILLER                      PIC X(12) VALUE SPACES.
03650      03 EFGH-D1-HEAD-SUBTITLE.
03660      05 FILLER                      PIC X(8) VALUE SPACES.
03670      05 FILLER                      PIC X(5) VALUE "UNITS".
03680      03 FILLER                      PIC X(6) VALUE SPACES.
03690      03 EFGH-D1-TOTAL.
03700      05 EFGH-D1-TOTAL-UNITS      PIC Z(7)9.
03710      03 FILLER                      PIC X(21) VALUE SPACE.
03720      03 EFGH-D1-AFSC-STUFF.
03730      05 EFGH-D1-AFSC-ENTRY OCCURS 6 TIMES.
03740      07 FILLER                      PIC XX.
03750      07 EFGH-D1-VALUE.
03760      09 EFGH-D1-UNITS      PIC Z(7)9.
03770 01 EFGH-DTL-2.
03780      03 FILLER                      PIC X(9) VALUE SPACES.
03790      03 EFGH-D2-H-SUBTITLE      PIC X(8) VALUE SPACES.
03800      03 FILLER                      PIC X(13) VALUE "MANHOURS ".
03810      03 EFGH-D2-TOTAL.
03820      05 EFGH-D2-TOTAL-MNHR      PIC Z(6)9.9.
03830      03 FILLER                      PIC X(21) VALUE SPACES.
03840      03 EFGH-D2-AFSC-STUFF.
03850      05 EFGH-D2-AFSC-ENTRY OCCURS 6.
03860      07 FILLER                      PIC X.
03870      07 EFGH-D2-VALUE.
03880      09 EFGH-D2-MNHR      PIC Z(6)9.9.
03890 01 H-DETAIL-3.
03900      03 FILLER                      PIC X(10) VALUE SPACES.
03910      03 FILLER                      PIC X(15) VALUE
03920      "UNITS INSTALLED".
03930      03 FILLER                      PIC X(6) VALUE SPACES.
03940      03 H-D3-TOTAL.
03950      05 H-D3-TOTAL-UNITS      PIC Z(7)9.
03960      03 FILLER                      PIC X(21) VALUE SPACES.
03970      03 H-D3-AFSC-STUFF.
03980      05 H-D3-AFSC-ENTRY OCCURS 6 TIMES.
03990      07 FILLER                      PIC XX.
04000      07 H-D3-VALUE.
04010      09 H-D3-UNITS      PIC Z(7)9.
04020 01 H-DETAIL-4.
04030      03 FILLER                      PIC X(3) VALUE SPACES.
04040      03 FILLER                      PIC X(22) VALUE
04050      "INSTALLATION MAN-HOURS".

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FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

04060	03 FILLER	PIC X(5) VALUE SPACES.
04070	03 H-D4-TOTAL.	
04080	05 H-D4-TOTAL-MNHR	PIC Z(6)9.9.
04090	03 FILLER	PIC X(21) VALUE SPACE.
04100	03 H-D4-AFSC-STUFF.	
04110	05 H-D4-AFSC-ENTRY OCCURS 6 TIMES.	
04120	07 FILLER	PIC X.
04130	07 H-D4-VALUE.	
04140	09 H-D4-MNHR	PIC Z(6)9.9.
04150	01 BAD-WUC.	
04160	03 BAD-WUC-ID	PIC XX.
04170	03 FILLER	PIC XXX VALUE "BAD".
04180	01 BAD-WUC-NAME.	
04190	03 FILLER	PIC X(8) VALUE "INVALID".
04200	03 BAD-WUC-NAME-WUC-ID	PIC XX.
04210	03 FILLER	PIC X(10) VALUE "XXX CODES ".
04220	01 NOT-B4-WUC-TITLE.	
04230	03 FILLER	PIC X(20) VALUE
04240	"***NOT ON B4 FILE***".	
04250	01 EFH-PRINT-TITLE.	
04260	03 FILLER	PIC X(27) VALUE "WUC:".
04270	01 G-PRINT-TITLE.	
04280	03 FILLER	PIC X(11) VALUE "TCTO CODE: ".
04290	03 FILLER	PIC X(23) VALUE SPACES.
04300	01 RPT-OPTION	PIC 9.
04310	01 MNHR-TABLE.	
04320	03 MNHR-ROW OCCURS 5.	
04330	05 MNHR	PIC 9(8) COMP-1 OCCURS 10.
04340	03 X	PIC 9(6) COMP-1.
04350	03 Y	PIC 9(6) COMP-1.
04360	03 TMNHR-ROW OCCURS 5.	
04370	05 TMNHR	PIC 9(8) COMP-1 OCCURS 10.
04380	01 H-TOTAL-UNITS-I	PIC 9(8) COMP-1.
04390	01 H-TOTAL-MNHR-I	PIC 9(8) COMP-1.
04400	01 EFGH-TOTAL-UNITS	PIC 9(8) COMP-1 VALUE ZERO.
04410	01 EFGH-TOTAL-MNHR	PIC 9(8) COMP-1 VALUE ZERO.
04420	01 MLPP	PIC 99.
04430	01 EFGH-1HDR.	
04440	03 FILLER	PIC X(12) VALUE SPACES.
04450	03 FILLER	PIC X(8) VALUE "REPORT S".
04460	03 EFGH-RPT-TYPE	PIC X.
04470	03 FILLER	PIC X(26) VALUE SPACES.
04480	03 VAR-TITLE	PIC X(20) JUST RIGHT.
04490	03 FILLER	PIC X(18) VALUE
04500	" WORK REPORTED FOR".	
04510	03 FILLER	PIC X(31) VALUE SPACES.
04520	03 FILLER	PIC X(5) VALUE "PAGE ".
04530	03 EFGH-PAGE-NBR	PIC ZZZ9 VALUE ZERO.
04540	01 EFGH-2HDR.	
04550	03 FILLER	PIC X(27) VALUE SPACES.
04560	03 FILLER	PIC X(49) VALUE

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

04570          "**** SEE USER INPUT SELECTION SUMMARY REPORT S01 ".
04580      03  FILLER                      PIC X(27) VALUE
04590          "FOR SELECTION CRITERIA ****".
04600  01  REPORT-GROUP-SUBHEADER.
04610      03  FILLER                      PIC X(29) VALUE
04620          "CDEP STANDARD H.I.S. VERSION ".
04630      03  RPT-GRP-SH-VERSION          PIC X(10).
04640      03  FILLER                      PIC X(8) VALUE SPACE.
04650      03  FILLER                      PIC X(19) VALUE
04660          "REPORT GROUP TITLE ".
04670      03  RPT-GRP-SH-TITLE            PIC X(25).
04680  /
04690  PROCEDURE DIVISION.
04700  001-OPEN.
04710      OPEN INPUT RPT-FIL.
04720      OPEN OUTPUT ERR-FIL, OUT-FIL.
04730      PERFORM 300-INITIAL THRU 300-EXIT.
04740      MOVE CDEP-VERSION TO
04750          RPT-GRP-SH-VERSION
04760          ERR-V-M-VERSION.
04770      MOVE SPACE TO ERR.
04780      WRITE ERR AFTER ADVANCING TOP.
04790      WRITE ERR FROM ERR-VERSION-MSG AFTER ADVANCING 3.
04800      WRITE ERR FROM ERR-TOP AFTER ADVANCING 2.
04810  001-READ.
04820      PERFORM 820-READER.
04830  002-PICK.
04840      IF HEADER-KEY-2 NOT = LOW-VALUE
04850          MOVE "ERR1" TO ERR-REASON
04860          PERFORM 830-OUTPUT-ERR
04870          GO TO 001-READ.
04880      IF RPT-CODE = "A" GO TO 005-A-GENER.
04890      IF RPT-CODE = "B" GO TO 045-B-GENER.
04900      IF RPT-CODE = "C" GO TO 085-C-GENER.
04910      IF RPT-CODE = "D" GO TO 135-D-GENER.
04920      IF RPT-CODE = "E" OR "F" OR "G" OR "H"
04930          GO TO 195-EFGH-RPT-GENER.
04940      IF RPT-CODE = "Z" GO TO 999-EOF.
04950  *      * UNKNOWN REPORT CODE
04960      MOVE "ERR2" TO ERR-REASON.
04970      PERFORM 830-OUTPUT-ERR.
04980      GO TO 001-READ.
04990  /
05000  005-A-GENER.
05010      MOVE 0 TO PAGE-CTR.
05020      MOVE RPT-CODE TO ARPT-TYPE, OLD-RPT-CODE.
05030      MOVE REPORT-GROUP-TITLE TO RPT-GRP-SH-TITLE.
05040      PERFORM 010-AHDR.
05050      MOVE OPTION TO RPT-OPTION.
05060      PERFORM 700-SPIN-DOWN-HEADERS THRU 704-SDH-EXIT.
05070      IF RPT-CODE NOT = OLD-RPT-CODE

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

05080             IF RPT-OPTION = ZERO
05090                 PERFORM 800-NO-DATA-FOR-REPORT
05100                 GO TO 002-PICK
05110             ELSE
05120                 PERFORM 810-REPORT-SUPPRESSED
05130                 GO TO 002-PICK.
05140             GO TO 035-INITIALIZE-TABLES.
05150 *
05160 *
05170 010-AHDR.
05180     ADD 1 TO
05190         TOTAL-PAGE-COUNT
05200         PAGE-CTR.
05210     MOVE PAGE-CTR TO APAGE-NBR.
05220     WRITE OUT FROM A-1HDR AFTER ADVANCING TOP.
05230     WRITE OUT FROM REPORT-GROUP-SUBHEADER AFTER ADVANCING 1.
05240     WRITE OUT FROM A-2HDR AFTER ADVANCING 1 LINE.
05250     WRITE OUT FROM A-3HDR AFTER ADVANCING 1 LINE.
05260     WRITE OUT FROM A-4HDR AFTER ADVANCING 2 LINE.
05270     MOVE 6 TO LINE-CTR.
05280 *
05290 *
05300 020-TALLY.
05310     MOVE "TOTAL" TO A-AFSC.
05320     MOVE A-TOT (1) TO UNIT-DUMMY.
05330     MOVE TENTH-DUMMY TO 1-MNHR.
05340     MOVE A-TOT (2) TO UNIT-DUMMY.
05350     MOVE TENTH-DUMMY TO 2-MNHR.
05360     MOVE A-TOT (3) TO UNIT-DUMMY.
05370     MOVE TENTH-DUMMY TO 3-MNHR.
05380     MOVE A-TOT (4) TO UNIT-DUMMY.
05390     MOVE TENTH-DUMMY TO 4-MNHR.
05400     MOVE A-TOT (5) TO UNIT-DUMMY.
05410     MOVE TENTH-DUMMY TO 5-MNHR.
05420     MOVE AGRAN-TOTAL TO UNIT-DUMMY.
05430     MOVE TENTH-DUMMY TO ADTL-TOT.
05440     WRITE OUT FROM A-DTL AFTER ADVANCING 2 LINES.
05450     GO TO 002-PICK.
05460 030-WRITE.
05470     IF LINE-CTR + 2 > MAX-LINES-PER-PAGE
05480         PERFORM 010-AHDR.
05490     MOVE OLD-AFSC TO A-AFSC.
05500     MOVE A-MNHR (1) TO UNIT-DUMMY.
05510     MOVE TENTH-DUMMY TO 1-MNHR.
05520     MOVE A-MNHR (2) TO UNIT-DUMMY.
05530     MOVE TENTH-DUMMY TO 2-MNHR.
05540     MOVE A-MNHR (3) TO UNIT-DUMMY.
05550     MOVE TENTH-DUMMY TO 3-MNHR.
05560     MOVE A-MNHR (4) TO UNIT-DUMMY.
05570     MOVE TENTH-DUMMY TO 4-MNHR.
05580     MOVE A-MNHR (5) TO UNIT-DUMMY.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

05590      MOVE TENTH-DUMMY TO 5-MNHR5.
05600      ADD A-TOTAL TO AGRAN-TOTAL.
05610      MOVE A-TOTAL TO UNIT-DUMMY.
05620      MOVE TENTH-DUMMY TO ADTL-TOT.
05630      WRITE OUT FROM A-DTL AFTER ADVANCING 2 LINES.
05640      ADD 2 TO LINE-CTR.
05650 035-INITIALIZE-TABLES.
05660      MOVE ZERO TO
05670          A-TOT (1)
05680          A-TOT (2)
05690          A-TOT (3)
05700          A-TOT (4)
05710          A-TOT (5)
05720      AGRAN-TOTAL.
05730 037-INITIALIZE-LINE-TABLE.
05740      MOVE AFSC TO OLD-AFSC.
05750      MOVE ZERO TO
05760          A-MNHR5 (1)
05770          A-MNHR5 (2)
05780          A-MNHR5 (3)
05790          A-MNHR5 (4)
05800          A-MNHR5 (5)
05810      A-TOTAL.
05820 039-ADD.
05830      ADD MANHOURS TO A-MNHR5 (COL-INDEX).
05840      ADD MANHOURS TO A-TOTAL, A-TOT (COL-INDEX).
05850      PERFORM 820-READER.
05860      IF RPT-CODE NOT = OLD-RPT-CODE
05870          PERFORM 030-WRITE
05880          GO TO 020-TALLY.
05890      IF AFSC NOT = OLD-AFSC
05900          PERFORM 030-WRITE
05910          GO TO 037-INITIALIZE-LINE-TABLE.
05920      GO TO 039-ADD.
05930 040-SA-REPORT-EXIT.
05940      EXIT.
05950 /
05960 045-B-GENER.
05970      MOVE ZERO TO PAGE-CTR.
05980      MOVE RPT-CODE TO BRPT-TYPE, OLD-RPT-CODE.
05990      MOVE 1 TO SW.
06000      PERFORM 050-BHDR.
06010      MOVE OPTION TO RPT-OPTION.
06020      PERFORM 700-SPIN-DOWN-HEADERS THRU 704-SDH-EXIT.
06030      IF RPT-CODE NOT = OLD-RPT-CODE
06040          IF RPT-OPTION = ZERO
06050              PERFORM 800-NO-DATA-FOR-REPORT
06060              GO TO 002-PICK
06070          ELSE
06080              PERFORM 810-REPORT-SUPPRESSED
06090              GO TO 002-PICK.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)



```

06100      GO TO 055-INITIALIZE-WKCTR.
06110 *
06120 *
06130      050-BHDR.
06140      ADD 1 TO
06150          TOTAL-PAGE-COUNT
06160          PAGE-CTR.
06170      MOVE PAGE-CTR TO BPAGE-NBR.
06180      WRITE OUT FROM B-1HDR AFTER TOP.
06190      WRITE OUT FROM REPORT-GROUP-SUBHEADER AFTER ADVANCING 1.
06200      WRITE OUT FROM B-2HDR AFTER ADVANCING 1 LINE.
06210      WRITE OUT FROM B-3HDR AFTER ADVANCING 2 LINES.
06220      MOVE 5 TO LINE-CTR.
06230 *
06240 *
06250      055-INITIALIZE-WKCTR.
06260      MOVE WKCTR TO OLD-WKCTR.
06270      MOVE ZERO TO
06280          B-REC-CNT
06290          B-UNITS
06300          B-MNHR.
06310 *
06320      060-ADD.
06330      ADD 1 TO B-REC-CNT.
06340      ADD UNITS-PROD TO B-UNITS.
06350      ADD MANHOURS TO B-MNHR.
06360      PERFORM 820-READER.
06370      IF RPT-CODE NOT = OLD-RPT-CODE
06380          GO TO 065-FINISH.
06390      IF WKCTR = OLD-WKCTR
06400          GO TO 060-ADD.
06410      PERFORM 070-SET-B-DTL-SUBREC-OUT.
06420      GO TO 055-INITIALIZE-WKCTR.
06430 *
06440      065-FINISH.
06450      PERFORM 070-SET-B-DTL-SUBREC-OUT.
06460      IF SW = 2
06470          MOVE SPACE TO B-DTL-SUBREC
06480          PERFORM 075-WRITE.
06490      GO TO 002-PICK.
06500 *
06510 *
06520      070-SET-B-DTL-SUBREC-OUT.
06530      MOVE OLD-WKCTR TO B-D-WCTR.
06540      MOVE B-REC-CNT TO B-D-REC-CNT.
06550      MOVE B-UNITS TO B-D-UNITS.
06560      MOVE B-MNHR. TO UNIT-DUMMY.
06570      MOVE TENTH-DUMMY TO B-D-MNHR.
06580      PERFORM 075-WRITE.
06590 *
06600 *

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

06610 075-WRITE.
06620     MOVE B-DTL-SUBREC TO B-DTL-SUBREC-OUT (SW).
06630     IF LINE-CTR + 2 > MAX-LINES-PER-PAGE
06640         PERFORM 050-BHDR.
06650     IF SW = 1
06660         MOVE 2 TO SW
06670     ELSE
06680         MOVE 1 TO SW
06690     WRITE OUT FROM B-DTL-REC AFTER 2
06700     ADD 2 TO LINE-CTR.
06710 *
06720 *
06730 080-SB-REPORT-EXIT.
06740     EXIT.
06750 /
06760 085-C-GENER.
06770     MOVE ZERO TO PAGE-CTR.
06780     MOVE RPT-CODE TO CRPT-TYPE, OLD-RPT-CODE.
06790     MOVE SF-TITLE TO C-HDR-TITLE.
06800     MOVE SORTIE-FLYHRS TO C-HDRSF, C-SORTIE-FLYHRS.
06810     MOVE SF-TITLE TO C4HDR-TITLE1, C4HDR-TITLE2.
06820     PERFORM 090-CHDR.
06830     MOVE OPTION TO RPT-OPTION.
06840     PERFORM 700-SPIN-DOWN-HEADERS THRU 704-SDH-EXIT.
06850     IF RPT-CODE NOT = OLD-RPT-CODE
06860         IF RPT-OPTION = ZERO
06870             PERFORM 800-NO-DATA-FOR-REPORT
06880             GO TO 002-PICK
06890         ELSE
06900             PERFORM 810-REPORT-SUPPRESSED
06910             GO TO 002-PICK.
06920     GO TO 100-INITIALIZE-DATA.
06930 *
06940 *
06950 090-CHDR.
06960     ADD 1 TO
06970         TOTAL-PAGE-COUNT
06980         PAGE-CTR.
06990     MOVE PAGE-CTR TO CPAGE-NBR.
07000     WRITE OUT FROM C-1HDR AFTER ADVANCING TOP.
07010     WRITE OUT FROM C-2HDR AFTER ADVANCING 1 LINE.
07020     WRITE OUT FROM REPORT-GROUP-SUBHEADER AFTER ADVANCING 1.
07030     WRITE OUT FROM C-3HDR AFTER ADVANCING 1 LINE.
07040     WRITE OUT FROM C-4HDR AFTER ADVANCING 2 LINES.
07050     WRITE OUT FROM C-5HDR AFTER ADVANCING 1 LINE.
07060     MOVE 7 TO LINE-CTR.
07070 *
07080 *
07090 095-WRITE-SYST-SUBHEADER.
07100     WRITE OUT FROM C-SYSTEM-SUBHEADER AFTER 2.
07110     MOVE SPACE TO OUT.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

07120      WRITE OUT AFTER 1.
07130      ADD 3 TO LINE-CTR.
07140 *
07150 *
07160      100-INITIALIZE-DATA.
07170          MOVE ZERO TO
07180              C-INST-CNT
07190              C-REMO-CNT.
07200          MOVE WUC-1-2 TO OLD-WUC-1-2.
07210 *
07220      110-ADD-AND-GET-NEXT.
07230          IF R-I-FLAG = "I"
07240              ADD 1 TO C-INST-CNT
07250              ELSE
07260                  ADD 1 TO C-REMO-CNT.
07270      PERFORM 820-READER.
07280      IF RPT-CODE NOT = OLD-RPT-CODE
07290          PERFORM 120-COMPUTE-AND-OUTPUT
07300          GO TO 002-PICK.
07310      IF WUC-1-2 NOT = OLD-WUC-1-2
07320          PERFORM 120-COMPUTE-AND-OUTPUT
07330          GO TO 100-INITIALIZE-DATA.
07340      GO TO 110-ADD-AND-GET-NEXT.
07350 *
07360 *
07370      120-COMPUTE-AND-OUTPUT.
07380          MOVE C-REMO-CNT TO C-DTL-REMO.
07390          IF C-REMO-CNT = ZERO
07400              MOVE "*****" TO C-DTL-SOREM-X
07410              ELSE
07420                  DIVIDE C-SORTIE-FLYHRS BY
07430                      C-REMO-CNT GIVING
07440                      C-DTL-SOREM.
07450          MOVE C-INST-CNT TO C-DTL-INST.
07460          IF C-INST-CNT = ZERO
07470              MOVE "*****" TO C-DTL-SORIN-X
07480              ELSE
07490                  DIVIDE C-SORTIE-FLYHRS BY
07500                      C-INST-CNT GIVING
07510                      C-DTL-SORIN.
07520          IF OLD-WUC-1-2 = "00"
07530              MOVE "ENGINES:" TO C-DTL-WUC
07540              MOVE 2 TO TEMP
07550              ELSE
07560                  MOVE OLD-WUC-1-2 TO C-DTL-WUC-1-2
07570                  MOVE "****" TO C-DTL-WUC-3-4-5
07580                  MOVE 1 TO TEMP.
07590      IF LINE-CTR + TEMP > MAX-LINES-PER-PAGE
07600          PERFORM 090-CHDR
07610          PERFORM 095-WRITE-SYST-SUBHEADER.
07620      WRITE OUT FROM C-DTL AFTER ADVANCING TEMP.

```

FIGURE G-2. JG05A/CDEF/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

07630      ADD TEMP TO LINE-CTR.
07640      IF TEMP = 2
07650          PERFORM 095-WRITE-SYST-SUBHEADER.
07660 *
07670 *
07680      120-SC-REPORT-EXIT.
07690          EXIT.
07700 /
07710      135-D-GENER.
07720          MOVE RPT-CODE TO DRPT-TYPE, OLD-RPT-CODE.
07730          MOVE OPTION TO RPT-OPTION.
07740          MOVE ZERO TO PAGE-CTR.
07750          PERFORM 140-DHDR.
07760          PERFORM 700-SPIN-DOWN-HEADERS THRU 704-SDH-EXIT.
07770          IF RPT-CODE NOT = OLD-RPT-CODE
07780              IF RPT-OPTION = 2
07790                  PERFORM 810-REPORT-SUPPRESSED
07800                      GO TO 002-P*CK
07810                      ELSE
07820                          PERFORM 800-NO-DATA-FOR-REPORT
07830                          GO TO 002-PICK.
07840          IF RPT-OPTION = ZERO
07850              MOVE 7 TO TEMP
07860              ELSE
07870                  MOVE 3 TO TEMP.
07880          PERFORM 137-CLEAR-ALL-MANHOURS-TABLES
07890              VARYING X FROM 1 BY 1
07900              UNTIL X > 5
07910                  AFTER Y FROM 1 BY 1
07920                  UNTIL Y > 10.
07930          GO TO 145-SET-NEXT-AFSC.
07940 *
07950 *
07960      137-CLEAR-ALL-MANHOURS-TABLES.
07970          MOVE ZERO TO
07980              TMNHRS (X,Y)
07990              MNHRS (X,Y).
08000 *
08010 *
08020      140-DHDR.
08030          ADD 1 TO
08040              TOTAL-PAGE-COUNT
08050              PAGE-CTR.
08060          MOVE PAGE-CTR TO DPAGE-NBR.
08070          WRITE OUT FROM D-1HDR AFTER ADVANCING TOP.
08080          WRITE OUT FROM REPORT-GROUP-SUBHEADER AFTER ADVANCING 1.
08090          WRITE OUT FROM D-2HDR AFTER ADVANCING 1 LINE.
08100          WRITE OUT FROM D-3HDR AFTER ADVANCING 3 LINES.
08110          MOVE 6 TO LINE-CTR.
08120 *
08130 *

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

08140 145-SET-NEXT-AFSC.
08150 * * NOTE THAT AFTER THE INITIAL CLEARING OF THE MNHRS
08160 * * TABLES IN 137-CLEAR-ALL-MANHOURS-TABLES (ABOVE),
08170 * * THE MNHRS TABLE ELEMENTS ARE RE-CLEARED ON THE
08180 * * FLY AFTER EACH IS ACCUMULATED INTO ITS CORRESPON-
08190 * * DING TMNHS TABLE ELEMENT AND PUT INTO A REPORT
08200 * * DETAIL LINE.
08210 MOVE AFSC TO OLD-AFSC.
08220 *
08230 150-ACCUM-AFSC-BLOCK-BODY.
08240 ADD MANHOURS TO MNHRS (ROW-INDEX, COL-INDEX).
08250 PERFORM 820-READER.
08260 IF RPT-CODE NOT = OLD-RPT-CODE
08270 PERFORM 155-END-AND-OUTPUT-AFSC-BLOCK
08280 PERFORM 175-OUTPUT-FINAL-TOTALS-BLOCK
08290 GO TO 002-PICK.
08300 IF AFSC NOT = OLD-AFSC
08310 PERFORM 155-END-AND-OUTPUT-AFSC-BLOCK
08320 GO TO 145-SET-NEXT-AFSC.
08330 GO TO 150-ACCUM-AFSC-BLOCK-BODY.
08340 *
08350 *
08360 155-END-AND-OUTPUT-AFSC-BLOCK.
08370 PERFORM 160-CONTROL-AFSC-BLOCK-EDGES
08380 VARYING X FROM 1 BY 1
08390 UNTIL X > 4.
08400 IF LINE-CTR + TEMP > MAX-LINES-PER-PAGE
08410 PERFORM 140-DHDR.
08420 MOVE OLD-AFSC TO OUT.
08430 WRITE OUT AFTER ADVANCING 2.
08440 PERFORM 165-OUTPUT-AFSC-BLOCK-DTL THRU 167-OABD-EXIT
08450 VARYING X FROM 1 BY 1
08460 UNTIL X > 5.
08470 ADD TEMP TO LINE-CTR.
08480 *
08490 *
08500 160-CONTROL-AFSC-BLOCK-EDGES.
08510 * * X IS ALREADY VARYING. SEE CALLING PERFORM STATEMENT.
08520 PERFORM 162-ACCUM-AFSC-BLOCK-EDGES
08530 VARYING Y FROM 1 BY 1
08540 UNTIL Y > 9.
08550 ADD MNHRS (X, 10) TO MNHRS (5, 10).
08560 *
08570 *
08580 162-ACCUM-AFSC-BLOCK-EDGES.
08590 ADD MNHRS (X, Y) TO
08600 MNHRS (X, 10)
08610 MNHRS (5, Y).
08620 *
08630 *
08640 165-OUTPUT-AFSC-BLOCK-DTL.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

08650 *      * X IS ALREADY VARYING.  SEE CALLING PERFORM STATEMENT.
08660      PERFORM 170-ACCUM-FINAL-SET-AFSC-DTL
08670          VARYING Y FROM 1 BY 1
08680          UNTIL Y > 10.
08690      IF RPT-OPTION = 1 AND
08700          X NOT = 5
08710          GO TO 167-OABD-EXIT.
08720      MOVE D-LINE-TITLE (X) TO DDTL-TITLE.
08730      WRITE OUT FROM D-DTL AFTER 1.
08740 *
08750      167-OABD-EXIT.
08760      EXIT.
08770 *
08780 *
08790      170-ACCUM-FINAL-SET-AFSC-DTL.
08800          ADD MNHRS (X,Y) TO TMNHRS (X,Y).
08810          MOVE MNHRS (X,Y) TO UNIT-DUMMY.
08820          MOVE TENTH-DUMMY TO DDTL-MNHRS (Y).
08830          MOVE ZERO TO MNHRS (X,Y).
08840 *
08850 *
08860      175-OUTPUT-FINAL-TOTALS-BLOCK.
08870          IF LINE-CTR + 7 > MAX-LINES-PER-PAGE
08880              PERFORM 140-DHDR.
08890          MOVE "TOTAL" TO OUT.
08900          WRITE OUT AFTER 2.
08910          PERFORM 180-OUTPUT-FINAL-TOTALS-DTL
08920              VARYING X FROM 1 BY 1
08930              UNTIL X > 5.
08940 *
08950 *
08960      180-OUTPUT-FINAL-TOTALS-DTL.
08970 *      * X IS ALREADY VARYING.  SEE CALLING PERFORM STATEMENT
08980      PERFORM 185-SET-FINAL-TOTALS-DTL
08990          VARYING Y FROM 1 BY 1
09000          UNTIL Y > 10.
09010      MOVE D-LINE-TITLE (X) TO DDTL-TITLE.
09020      WRITE OUT FROM D-DTL AFTER 1.
09030 *      *
09040 *
09050      185-SET-FINAL-TOTALS-DTL.
09060          MOVE TMNHRS (X,Y) TO UNIT-DUMMY.
09070          MOVE TENTH-DUMMY TO DDTL-MNHRS (Y).
09080 *
09090 *
09100      190-SD-REPORT-EXIT.
09110      EXIT.
09120 /
09130      195-EFGH-RPT-GENER.
09140          MOVE OPTION TO RPT-OPTION.
09150          MOVE RPT-CODE TO OLD-RPT-CODE, EFGH-RPT-TYPE.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

09160      MOVE EFH-PRINT-TITLE TO EFGH-G-TITLE.
09170      IF RPT-CODE = "E"
09180          MOVE "SCHEDULED-INSPECTION" TO VAR-TITLE
09190          MOVE "03" TO VAR-WUC.
09200      IF RPT-CODE = "F"
09210          MOVE "SPECIAL-INSPECTION" TO VAR-TITLE
09220          MOVE "04" TO VAR-WUC.
09230      IF RPT-CODE = "G"
09240          MOVE "    T - C - T - O" TO VAR-TITLE
09250          MOVE G-PRINT-TITLE TO EFGH-G-TITLE.
09260      IF RPT-CODE = "H"
09270          MOVE "UNITS REMOVED" TO EFGH-D1-HEAD-SUBTITLE
09280          MOVE "REMOVAL" TO EFGH-D2-H-SUBTITLE
09290          MOVE "CANNIBALIZATION" TO VAR-TITLE
09300          MOVE "XX" TO VAR-WUC.
09310      MOVE ZERO TO PAGE-CTR.
09320      MOVE VAR-WUC TO BAD-WUC-ID, BAD-WUC-NAME-WUC-ID.
09330      PERFORM 200-EFGH-HDR.
09340      PERFORM 700-SPIN-DOWN-HEADERS THRU 704-SDH-EXIT.
09350      IF RPT-CODE NOT = OLD-RPT-CODE
09360          IF RPT-OPTION = 2
09370              PERFORM 810-REPORT-SUPPRESSED
09380              GO TO 002-PICK
09390          ELSE
09400              PERFORM 800-NO-DATA-FOR-REPORT
09410              GO TO 002-PICK.
09420      MOVE SPACES TO OLD-PSEUDO-WUC-TCTO.
09430      OPEN INPUT B4-FIL.
09440      MOVE "A" TO B4-OPEN.
09450      MOVE LOW-VALUE TO B4-PSEUDO-WUC.
09460      IF OLD-RPT-CODE = "H"
09470          PERFORM 310-H-PROCESS THRU 310-EXIT
09480          ELSE
09490              PERFORM 210-EFG-PROCESS THRU 210-EXIT.
09500      GO TO 002-PICK.
09510 *
09520 *
09530      200-EFGH-HDR.
09540          ADD 1 TO
09550              TOTAL-PAGE-COUNT
09560              PAGE-CTR.
09570      MOVE PAGE-CTR TO EFGH-PAGE-NBR.
09580      WRITE OUT FROM EFGH-1HDR AFTER ADVANCING TOP.
09590      WRITE OUT FROM REPORT-GROUP-SUBHEADER AFTER ADVANCING 1.
09600      WRITE OUT FROM EFGH-2HDR AFTER ADVANCING 1.
09610      MOVE 3 TO LINE-CTR.
09620 *
09630 *
09640      210-EFG-PROCESS.
09650      5      DISPLAY "210-EFG-PROCESS".
09660      5      DISPLAY " RPT-REC=" RPT-REC "-".

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

09670 *      * TEST CONTROL BREAK CHANGES
09680      IF RPT-CODE NOT = OLD-RPT-CODE
09690          PERFORM 230-END-OLD-WUC THRU 230-EXIT
09700          PERFORM 275-CLOSE-B4
09710          GO TO 210-EXIT.
09720 5      DISPLAY " OLD-RPT-CODE=" OLD-RPT-CODE.
09730 5      DISPLAY " TCTO=" TCTO "-",OLD-PSEUDO-WUC-TCTO="
09740 5          OLD-PSEUDO-WUC-TCTO "-".
09750      IF OLD-RPT-CODE = "G"
09760 *      * SG REPORT TCTO CTL BREAK CHECK
09770          IF TCTO NOT = OLD-PSEUDO-WUC-TCTO
09780              PERFORM 230-END-OLD-WUC THRU 230-EXIT
09790          ELSE
09800              NEXT SENTENCE
09810      ELSE
09820 *      * SE/SF REPORT WUC CTL BREAK CHECK
09830          IF PSEUDO-WUC NOT = OLD-PSEUDO-WUC
09840              PERFORM 230-END-OLD-WUC THRU 230-EXIT.
09850 5      DISPLAY " AFSC=" AFSC "-",OLD-AFSC="
09860 5          OLD-AFSC "-".
09870      IF AFSC NOT = OLD-AFSC
09880          PERFORM 240-END-OLD-AFSC THRU 240-EXIT.
09890 *      * END OF CONTROL BREAK CHECKS
09900      ADD MANHOURS TO EFGH-MNHR (EFGH-SS).
09910      ADD UNITS-PROD TO EFGH-UNITS (EFGH-SS).
09920      PERFORM 820-READER.
09930      GO TO 210-EFG-PROCESS.
09940 *
09950 210-EXIT.
09960      EXIT.
09970 *
09980 *
09990 230-END-OLD-WUC.
10000      IF OLD-PSEUDO-WUC-TCTO = SPACES
10010          GO TO 230-PROCESS-NEW-WUC.
10020 *      * PROCESS OLD EFG-WUC/TCTO
10030      IF EFGH-CURRENT-START NOT = EFGH-END
10040          MOVE EFGH-CURRENT-START TO EFGH-SS
10050          PERFORM 250-EFG-RPT-OUT THRU 250-EXIT
10060          MOVE EFGH-CURRENT-START TO EFGH-START
10070          PERFORM 260-RETURN-BLOCK.
10080      IF RPT-CODE NOT = OLD-RPT-CODE
10090          GO TO 230-EXIT.
10100 *
10110 230-PROCESS-NEW-WUC.
10120      MOVE EFGH-END TO
10130          EFGH-CURRENT-START
10140          EFGH-LAST.
10150      MOVE SPACES TO OLD-AFSC.
10160      IF OLD-RPT-CODE = "G"
10170          MOVE TCTO TO

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)



```

10180             OLD-PSEUDO-WUC-TCTO
10190             G-PRINT-TCTO
10200             GO TO 230-EXIT.
10210             MOVE PSEUDO-WUC TO OLD-PSEUDO-WUC-TCTO.
10220             PERFORM 290-SEARCH-B4-WUCS-AND-SET.
10230 *
10240 230-EXIT.
10250     EXIT.
10260 *
10270 *
10280 240-END-OLD-AFSC.
10290     PERFORM 280-GETASLOT.
10300     IF EFGH-LAST = EFGH-END
10310         MOVE EFGH-SS TO EFGH-CURRENT-START
10320     ELSE
10330         MOVE EFGH-SS TO EFGH-LINK (EFGH-LAST).
10340     MOVE EFGH-SS TO EFGH-LAST.
10350     MOVE AFSC TO
10360         OLD-AFSC
10370         EFGH-AFSC (EFGH-SS).
10380 *
10390 240-EXIT.
10400     EXIT.
10410 *
10420 *
10430 250-EFG-RPT-OUT.
10440     MOVE ZERO TO
10450         EFGH-TOTAL-UNITS
10460         EFGH-TOTAL-MNHR.
10470     MOVE EFGH-SS TO EFGH-START.
10480 *
10490 250-AFSC-TOTAL-LOOP.
10500     IF EFGH-SS NOT = EFGH-END
10510         ADD EFGH-MNHR. (EFGH-SS) TO EFGH-TOTAL-MNHR.
10520         ADD EFGH-UNITS (EFGH-SS) TO EFGH-TOTAL-UNITS
10530         MOVE EFGH-LINK (EFGH-SS) TO EFGH-SS
10540         GO TO 250-AFSC-TOTAL-LOOP.
10550     MOVE EFGH-START TO EFGH-SS.
10560     MOVE EFGH-TOTAL-MNHR. TO UNIT-DUMMY.
10570     MOVE TENTH-DUMMY TO EFGH-D2-TOTAL-MNHR.
10580     MOVE EFGH-TOTAL-UNITS TO EFGH-D1-TOTAL-UNITS.
10590     MOVE SPACES TO
10600         EFGH-D1-AFSC-STUFF
10610         EFGH-D2-AFSC-STUFF
10620         EFGH-GROUP-HEAD-AFSC-TITLE.
10630     MOVE EFGH-PRINT-TITLE TO EFGH-GROUP-HEAD-TITLE.
10640     MOVE 3 TO TEMP.
10650     IF RPT-OPTION = 1
10660         MOVE EFGH-END TO EFGH-SS
10670         GO TO 250-WRITER.
10680     MOVE AFSC-TITLE TO EFGH-GROUP-HEAD-AFSC-TITLE.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

10690 *
10700 250-LOAD-AFSC-DATA.
10710     PERFORM 255-BUILD-AN-AFSC-EFG-ENTRY
10720         VARYING EFGH-SS1 FROM 1 BY 1
10730         UNTIL EFGH-SS1 > 6.
10740 *
10750 250-WRITER.
10760     IF LINE-CTR + TEMP + 3 > MAX-LINES-PER-PAGE
10770         PERFORM 200-EFGH-HDR.
10780     WRITE OUT FROM EFGH-GROUP-HEAD AFTER ADVANCING TEMP.
10790     WRITE OUT FROM EFGH-DTL-1 AFTER 2.
10800     WRITE OUT FROM EFGH-DTL-2 AFTER 1.
10810     ADD LINE-CTR TEMP 3 GIVING LINE-CTR.
10820     IF EFGH-SS = EFGH-END
10830         GO TO 250-EXIT.
10840     MOVE 2 TO TEMP.
10850     MOVE SPACES TO
10860         EFGH-GROUP-HEAD-TITLE
10870         EFGH-D1-TOTAL
10880         EFGH-D2-TOTAL.
10890     GO TO 250-LOAD-AFSC-DATA.
10900 *
10910 250-EXIT.
10920     EXIT.
10930 *
10940 *
10950 255-BUILD-AN-AFSC-EFG-ENTRY.
10960     IF EFGH-SS = EFGH-END
10970         MOVE SPACES TO
10980             EFGH-GROUP-HEAD-AFSC (EFGH-SS1)
10990             EFGH-D1-VALUE (EFGH-SS1)
11000             EFGH-D2-VALUE (EFGH-SS1)
11010     ELSE
11020         MOVE EFGH-AFSC (EFGH-SS) TO
11030             EFGH-GROUP-HEAD-AFSC (EFGH-SS1)
11040         MOVE EFGH-UNITS (EFGH-SS) TO EFGH-D1-UNITS (EFGH-SS1)
11050         MOVE EFGH-MNHR (EFGH-SS) TO UNIT-DUMMY
11060         MOVE TENTH-DUMMY TO EFGH-D2-MNHR (EFGH-SS1)
11070         MOVE EFGH-LINK (EFGH-SS) TO EFGH-SS.
11080 *
11090 *
11100 /
11110 260-RETURN-BLOCK.
11120 5     DISPLAY "260-RETURN-BLOCK".
11130 5     MOVE EFGH-AVAIL TO UNIT-DUMMY.
11140 5     DISPLAY " EFGH-AVAIL (A) =" UNIT-DUMMY.
11150     IF EFGH-LAST NOT = EFGH-END
11160         MOVE EFGH-AVAIL TO EFGH-LINK (EFGH-LAST)
11170         MOVE EFGH-START TO EFGH-AVAIL.
11180 5     MOVE EFGH-AVAIL TO UNIT-DUMMY.
11190 5     DISPLAY " EFGH-AVAIL (B) =" UNIT-DUMMY.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

11200 *
11210 *
11220 *
11230 270-INPUT-B4.
11240     IF B4-OPEN = "A"
11250         READ B4-FIL
11260         AT END
11270             PERFORM 275-CLOSE-B4.
11280 *
11290 *
11300 *
11310 275-CLOSE-B4.
11320     IF B4-OPEN = "A"
11330         CLOSE B4-FIL
11340         MOVE "B" TO B4-OPEN
11350         MOVE HIGH-VALUE TO B4-PSEUDO-WUC.
11360 *
11370 *
11380 *
11390 280-GETASLOT.
11400 5  DISPLAY "280-GETASLOT".
11410 5  MOVE EFGH-AVAIL TO UNIT-DUMMY.
11420 5  DISPLAY " EFGH-AVAIL=" UNIT-DUMMY.
11430 5  MOVE EFGH-END TO UNIT-DUMMY.
11440 5  DISPLAY " EFGH-END =" UNIT-DUMMY.
11450     IF EFGH-AVAIL = EFGH-END
11460         MOVE ZERO TO ERR-COUNT
11470         MOVE "LAST" TO ERR-REASON
11480         PERFORM 830-OUTPUT-ERR
11490         MOVE "TABL" TO ERR-REASON
11500         MOVE ALL "*" TO RPT-REC
11510         PERFORM 830-OUTPUT-ERR 3 TIMES
11520         MOVE "*** AFSC TABLE OUT OF ROOM - FATAL ***" TO
11530             RPT-REC
11540         PERFORM 830-OUTPUT-ERR
11550         GO TO 999-EOF.
11560     MOVE EFGH-AVAIL TO EFGH-SS.
11570     MOVE EFGH-LINK (EFGH-AVAIL) TO EFGH-AVAIL.
11580     MOVE EFGH-END TO EFGH-LINK (EFGH-SS).
11590     MOVE ZERO TO
11600         EFGH-UNITS (EFGH-SS)
11610         EFGH-MNHRS (EFGH-SS).
11620 *
11630 *
11640 *
11650 290-SEARCH-B4-WUCS-AND-SET.
11660     IF PSEUDO-WUC > B4-PSEUDO-WUC
11670         PERFORM 270-INPUT-B4
11680         GO TO 290-SEARCH-B4-WUCS-AND-SET.
11690     MOVE REAL-WUC TO EFH-PRINT-WUC.
11700     IF PSEUDO-WUC = B4-PSEUDO-WUC

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

11710             MOVE B4-WUC-TITLE TO EFH-PRINT-NAME
11720             ELSE
11730             MOVE NOT-B4-WUC-TITLE TO EFH-PRINT-NAME.
11740 *
11750 *
11760 *
11770 300-INITIAL.
11780             MOVE EFGH-END TO EFGH-SS.
11790             MOVE EFGH-MAX TO EFGH-AVAIL.
11800 5             DISPLAY "300-INITIAL".
11810 5             MOVE EFGH-SS TO UNIT-DUMMY.
11820 5             DISPLAY " EFGH-SS =" UNIT-DUMMY.
11830 5             MOVE EFGH-AVAIL TO UNIT-DUMMY.
11840 5             DISPLAY " EFGH-AVAIL=" UNIT-DUMMY.
11850 *
11860 300-LINK-2-TABLE-ENTRIES.
11870             MOVE EFGH-SS TO EFGH-LINK (EFGH-AVAIL).
11880             MOVE EFGH-AVAIL TO EFGH-SS.
11890             SUBTRACT 1 FROM EFGH-AVAIL.
11900             IF EFGH-AVAIL NOT = ZERO
11910                 GO TO 300-LINK-2-TABLE-ENTRIES.
11920             MOVE EFGH-SS TO EFGH-AVAIL.
11930 5             DISPLAY "300-INITIAL (JUST BEFORE 300-EXIT)".
11940 5             MOVE EFGH-AVAIL TO UNIT-DUMMY.
11950 5             DISPLAY " EFGH-AVAIL=" UNIT-DUMMY.
11960 *
11970 300-EXIT.
11980             EXIT.
11990 *
12000 *
12010 /
12020 310-H-PROCESS.
12030 *             * TEST CONTROL BREAK CHANGES
12040             IF RPT-CODE NOT = OLD-RPT-CODE
12050                 PERFORM 320-END-OLD-H-WUC THRU 320-EXIT
12060                 GO TO 310-EXIT.
12070             IF PSEUDO-WUC NOT = OLD-PSEUDO-WUC
12080                 PERFORM 320-END-OLD-H-WUC THRU 320-EXIT.
12090             IF AFSC NOT = OLD-AFSC
12100                 PERFORM 330-END-OLD-H-AFSC THRU 330-EXIT.
12110 *             * END OF CONTROL BREAK CHECKS
12120             IF R-I-FLAG = "I"
12130                 MOVE H-RI-I-SS TO EFGH-SS
12140             ELSE
12150                 MOVE H-RI-R-SS TO EFGH-SS.
12160             ADD MANHOURS TO EFGH-MNHR (EFGH-SS).
12170             ADD UNITS-PROD TO EFGH-UNITS (EFGH-SS).
12180             PERFORM 820-READER.
12190             GO TO 310-H-PROCESS.
12200 *
12210 310-EXIT.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

12220      EXIT.
12230 *
12240 *
12250 320-END-OLD-H-WUC.
12260      IF OLD-PSEUDO-WUC = SPACES
12270      GO TO 320-PROCESS-NEW-H-WUC.
12280 *      * PROCESS OLD H-WUC.
12290      IF EFGH-CURRENT-START NOT = EFGH-END
12300      MOVE EFGH-CURRENT-START TO EFGH-SS
12310      PERFORM 340-H-RPT-OUT THRU 340-EXIT
12320      MOVE EFGH-CURRENT-START TO EFGH-START
12330      PERFORM 260-RETURN-BLOCK.
12340      IF RPT-CODE NOT = OLD-RPT-CODE
12350      GO TO 320-EXIT.
12360 *
12370 320-PROCESS-NEW-H-WUC.
12380      MOVE EFGH-END TO
12390      EFGH-CURRENT-START
12400      EFGH-LAST.
12410      MOVE SPACES TO OLD-AFSC.
12420      MOVE PSEUDO-WUC TO OLD-PSEUDO-WUC.
12430      PERFORM 290-SEARCH-B4-WUCS-AND-SET.
12440 *
12450 320-EXIT.
12460      EXIT.
12470 *
12480 *
12490 330-END-OLD-H-AFSC.
12500 *      * THIS CODE DOES NOTHING FOR THE OLD AFSC (THERE IS
12510 *      * NOTHING THAT NEEDS TO BE DONE). IT JUST SETS UP THE
12520 *      * NEW AFSC.
12530      PERFORM 280-GETASLOT.
12540      MOVE EFGH-SS TO H-RI-R-SS.
12550      PERFORM 280-GETASLOT.
12560      MOVE EFGH-SS TO
12570      H-RI-I-SS
12580      EFGH-LINK (H-RI-R-SS).
12590      IF EFGH-LAST = EFGH-END
12600      MOVE H-RI-R-SS TO EFGH-CURRENT-START
12610      ELSE
12620      MOVE H-RI-R-SS TO EFGH-LINK (EFGH-LAST).
12630      MOVE H-RI-I-SS TO EFGH-LAST.
12640      MOVE AFSC TO
12650      OLD-AFSC
12660      EFGH-AFSC (H-RI-R-SS)
12670      EFGH-AFSC (H-RI-I-SS).
12680 *
12690 330-EXIT.
12700      EXIT.
12710 *
12720 *

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

12730 340-H-RPT-OUT.
12740     MOVE ZERO TO
12750         EFGH-TOTAL-UNITS
12760         EFGH-TOTAL-MNHR
12770         H-TOTAL-UNITS-I
12780         H-TOTAL-MNHR-I.
12790     MOVE EFGH-SS TO
12800         EFGH-START
12810         H-RI-R-SS.
12820 *
12830 340-AFSC-TOTAL-LOOP.
12840     IF H-RI-R-SS NOT = EFGH-END
12850         MOVE EFGH-LINK (H-RI-R-SS) TO H-RI-I-SS
12860         ADD EFGH-MNHR (H-RI-R-SS) TO EFGH-TOTAL-MNHR
12870         ADD EFGH-UNIT (H-RI-R-SS) TO EFGH-TOTAL-UNIT
12880         ADD EFGH-MNHR (H-RI-I-SS) TO H-TOTAL-MNHR-I
12890         ADD EFGH-UNIT (H-RI-I-SS) TO H-TOTAL-UNIT-I
12900         MOVE EFGH-LINK (H-RI-I-SS) TO H-RI-R-SS
12910         GO TO 340-AFSC-TOTAL-LOOP.
12920     MOVE EFGH-START TO H-RI-R-SS.
12930     MOVE EFGH-TOTAL-MNHR TO UNIT-DUMMY.
12940     MOVE TENTH-DUMMY TO EFGH-D2-TOTAL-MNHR.
12950     MOVE EFGH-TOTAL-UNIT TO EFGH-D1-TOTAL-UNIT.
12960     MOVE H-TOTAL-MNHR-I TO UNIT-DUMMY.
12970     MOVE TENTH-DUMMY TO H-D4-TOTAL-MNHR.
12980     MOVE H-TOTAL-UNIT-I TO H-D3-TOTAL-UNIT.
12990     MOVE SPACES TO
13000         EFGH-D1-AFSC-STUFF
13010         EFGH-D2-AFSC-STUFF
13020         H-D3-AFSC-STUFF
13030         H-D4-AFSC-STUFF
13040         EFGH-GROUP-HEAD-AFSC-TITLE.
13050     MOVE EFGH-PRINT-TITLE TO EFGH-GROUP-HEAD-TITLE.
13060     MOVE 3 TO TEMP.
13070     IF RPT-OPTION = 1
13080         MOVE EFGH-END TO H-RI-R-SS
13090         GO TO 340-OUTPUT-H-DETAIL-BLOCK.
13100     MOVE AFSC-TITLE TO EFGH-GROUP-HEAD-AFSC-TITLE.
13110 *
13120 340-SET-UP-H-AFSC-DTL-BLOCK.
13130     PERFORM 350-BUILD-AN-AFSC-H-ENTRY
13140         VARYING EFGH-SS1 FROM 1 BY 1
13150         UNTIL EFGH-SS1 > 6.
13160 *
13170 340-OUTPUT-H-DETAIL-BLOCK.
13180     IF LINE-CTR + TEMP + 5 > MAX-LINES-PER-PAGE
13190         PERFORM 200-EFGH-HDR.
13200     WRITE OUT FROM EFGH-GROUP-HEAD AFTER TEMP.
13210     WRITE OUT FROM EFGH-DTL-1 AFTER 2.
13220     WRITE OUT FROM EFGH-DTL-2 AFTER 1.
13230     WRITE OUT FROM H-DETAIL-3 AFTER 1.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

13240      WRITE OUT FROM H-DETAIL-4 AFTER 1.
13250      ADD LINE-CTR TEMP 5 GIVING LINE-CTR.
13260      IF H-RI-R-SS NOT = EFGH-END
13270          MOVE 2 TO TEMP
13280          MOVE SPACES TO
13290              EFGH-GROUP-HEAD-TITLE
13300              EFGH-D1-TOTAL
13310              EFGH-D2-TOTAL
13320              H-D3-TOTAL
13330              H-D4-TOTAL
13340      GO TO 340-SET-UP-H-AFSC-DTL-BLOCK.
13350 *
13360 340-EXIT.
13370      EXIT.
13380 *
13390 *
13400 350-BUILD-AN-AFSC-H-ENTRY.
13410      IF H-RI-R-SS = EFGH-END
13420          MOVE SPACES TO
13430              EFGH-GROUP-HEAD-AFSC (EFGH-SS1)
13440              EFGH-D1-VALUE (EFGH-SS1)
13450              EFGH-D2-VALUE (EFGH-SS1)
13460              H-D3-VALUE (EFGH-SS1)
13470              H-D4-VALUE (EFGH-SS1)
13480      ELSE
13490          MOVE EFGH-LINK (H-RI-R-SS) TO H-RI-I-SS
13500          MOVE EFGH-AFSC (H-RI-R-SS) TO
13510              EFGH-GROUP-HEAD-AFSC (EFGH-SS1)
13520          MOVE EFGH-UNITS (H-RI-R-SS) TO
13530              EFGH-D1-UNITS (EFGH-SS1)
13540          MOVE EFGH-MNHRs (H-RI-R-SS) TO UNIT-DUMMY
13550          MOVE TENTH-DUMMY TO EFGH-D2-MNHRs (EFGH-SS1)
13560          MOVE EFGH-UNITS (H-RI-I-SS) TO H-D3-UNITS (EFGH-SS1)
13570          MOVE EFGH-MNHRs (H-RI-I-SS) TO UNIT-DUMMY
13580          MOVE TENTH-DUMMY TO H-D4-MNHRs (EFGH-SS1)
13590          MOVE EFGH-LINK (H-RI-I-SS) TO H-RI-R-SS.
13600 *
13610 *
13620 /
13630 700-SPIN-DOWN-HEADERS.
13640 *      * THESE PARA'S (NUMBERED 700 TO 704) SPIN DOWN THRU
13650 *      * THE MULTIPLE HEADERS OF A MERGED RPT-FILE (A SELEC-
13660 *      * TION REPORTS DATA FILE FROM MORE THAN 1 RUN OF THE
13670 *      * SELECTION PROGRAM). THIS CODE CAUSES THEM TO BE
13680 *      * PRINTED, ALSO.
13690      MOVE "HDR " TO ERR-REASON.
13700 *
13710 702-SDH-LOOP.
13720      PERFORM 830-OUTPUT-ERR.
13730      PERFORM 820-READER.
13740      IF RPT-CODE NOT = OLD-RPT-CODE

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

```

13750          GO TO 704-SDH-EXIT.
13760      IF HEADER-KEY-2 NOT = LOW-VALUE
13770          GO TO 704-SDH-EXIT.
13780      MOVE "HDR2" TO ERR-REASON.
13790      IF OPTION < RPT-OPTION
13800          MOVE OPTION TO RPT-OPTION.
13810      GO TO 702-SDH-LOOP.
13820 *
13830      704-SDH-EXIT.
13840      EXIT.
13850 *
13860 /
13870      800-NO-DATA-FOR-REPORT.
13880          MOVE "NO DATA FOR THIS SELECTION REPORT" TO OUT.
13890          WRITE OUT AFTER ADVANCING 20 LINES.
13900 *
13910 *
13920 *
13930 *
13940 *
13950      810-REPORT-SUPPRESSED.
13960          MOVE "THIS SELECTION REPORT WAS USER-SUPPRESSED" TO OUT.
13970          WRITE OUT AFTER ADVANCING 20 LINES.
13980 *
13990 *
14000 *
14010 *
14020 *
14030      820-READER.
14040 *      * THIS PARA READS RECORDS FROM RPT-FIL (SELECTION
14050 *      * REPORTS DATA FILE) AND COUNTS THEM. WHEN THE FILE
14060 *      * TERMINATES, THE CODE BUILDS THE DUMMY "Z"-CODED
14070 *      * HEADER RECORD FOR DETECTION ELSEWHERE.
14080      ADD 1 TO IN-COUNT.
14090      READ RPT-FIL
14100          AT END
14110          MOVE LOW-VALUE TO RPT-REC
14120          MOVE "Z" TO RPT-CODE.
14130 *
14140 *
14150 *
14160 *
14170 *
14180      830-OUTPUT-ERR.
14190 *      * THIS PARA FINISHES THE BUILDING OF THE OUTPUT RECORD
14200 *      * GOING TO ERR-FIL AND WRITES IT. IT FORCES PROGRAM
14210 *      * TERMINATION IF MORE THAN 100 ERROR OUTPUTS OCCUR.
14220      MOVE RPT-REC TO ERR-DETAIL.
14230      MOVE IN-COUNT TO ERR-CNT.
14240      WRITE ERR FROM ERR-OUT AFTER ADVANCING 2.
14250      ADD 1 TO ERR-COUNT.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)



```

14260      IF ERR-COUNT > 100
14270          WRITE ERR FROM ERR-LIMIT-MSG AFTER 3
14280          GO TO 999-EOF.
14290 *
14300 /
14310 999-EOF.
14320      MOVE ZERO TO ERR-COUNT.
14330      MOVE "*****" TO ERR-REASON.
14340      MOVE " END OF PROCESSING. INPUT RECORD COUNT IS" TO
14350          RPT-REC.
14360      PERFORM 830-OUTPUT-ERR.
14370      MOVE TOTAL-PAGE-COUNT TO IN-COUNT.
14380      MOVE " TOTAL SELECTION REPORT OUTPUT PAGE COUNT IS" TO
14390          RPT-REC.
14400      PERFORM 830-OUTPUT-ERR.
14410      PERFORM 275-CLOSE-B4.
14420      CLOSE
14430          ERR-FIL
14440          RPT-FIL
14450          OUT-FIL.
14460      STOP RUN.

```

FIGURE G-2. JG05A/CDEP/CSTAR/P3.C  
(UNCOMPILED VERSION CONT'D)

APPENDIX H.  
ANALYSIS PROGRAM LISTING

## APPENDIX H. ANALYSIS PROGRAM LISTING

### A. JG05A/CDEP/DET.REC

Function. Determines percentage and manhours of records that have a record id of 1 or 3.

Determines what percentage of records have acceptable maintenance codes and when discovered code.

Also determines the rate, in manhours per sortie, that unscheduled off-equipment maintenance is required. This is done by accumulating manhours for records with a record id of 3, or an id of 1 if the SRD belongs to an engine.

Listing. Figure H-1.

```

1010*      * JG05A/CDEP/DET.REC
1020*
1030*      * THIS PROGRAM DETERMINES THE PERCENTAGE OF RECORDS (AND
1040*      * MAN-HOURS) WHICH HAVE A SPECIFIED RECORD ID (1 OR 3) WITHIN
1050*      * AN AFSC OR WITHIN AN AFSC AND SRD. ALSO DETERMINED IS
1060*      * WHAT FRACTION OF THE RECORDS HAVE ACCEPTABLE TYPE
1070*      * MAINTENANCE AND WHEN DISCOVERED CODES.
1080*
1090      INTEGER AFSCINDX,RECID,IDSRD
1100      INTEGER OFFINDX(100),ILMINDX(100),TMINDX
1110      REAL RECKNT(100,3,2),SUMHRS(100,3,2),INKNTR(100,2),
1120      &OUTKNTR(100),ACCPTR(100,3,2),
1130      &INKNTM(100,2),OUTKNTM(100),MANHRS,ACCPTR(100,3,2)
1140      REAL DUMREC(3),DUMHRS(3)
1150      REAL OFFHRS(100)
1160      CHARACTER AFSC*5(100),SRD*3(2,4),TYPMTN*1,WDC*1,WDCSET*1(17),
1170      &TMSET*1(5),NEWSRD*3
1180      CHARACTER OFFMAP*5(100),ILMMAP*5(100),TMMAP*5,TFMAP*5
1190      LOGICAL NOILM
1200*
1210      DATA RECKNT/600*0.0/,SUMHRS/600*0.0/,INKNTR/200*0.0/
1220      DATA OUTKNTR/100*0.0/,INKNTM/200*0.0/,OUTKNTM/100*0.0/
1230      DATA ACCPTR/600*0.0/,ACCPTR/600*0.0/
1240      DATA WDCSET/'A','C','D','E','F','H','J','K','N','P','Q','R',
1250      &'V','2','W','X','Y',//,TMSET/'B','C','D','J','S'//
1260      DATA SRD/8*'/ /
1270*
1280      READ (5,5) NUMSRD
1290      READ (5,5) (SRD(1,J),J=1,NUMSRD)
1300      READ (5,5) (SRD(2,J),J=1,NUMSRD)
1310      READ (5,5) SORTIES
1320      READ (5,5) NOILM
1330 5      FORMAT (V)
1340*
1350      WRITE (6,7) ((SRD(I,J),J=1,NUMSRD),I=1,NUMSRD)
1360 7      FORMAT (8(3X,A3))
1370*
1380 10      READ (1,20,END=30) AFSCINDX,TYPMTN,WDC,RECID,NEWSRD,MANHRS
1390*
1400          DO 14 I=1,2
1410*
1420          DO 12 J=1,NUMSRD
1430              IF (SRD(I,J).EQ.NEWSRD) GO TO 16
1440 12      CONTINUE
1450*
1460 14      CONTINUE
1470*
1480 16      IDSRD=I
1490          IF (RECID.GT.3) RECID=2
1500*
1510          DO 21 I=1,5

```

FIGURE H-1. ANALYSIS PROGRAM LISTING - JG05A/CDEP/DET.REC

```

1520      IF (TYPMTN.EQ.TMSET(I)) GO TO 22
1530 21    CONTINUE
1540*
1550      GO TO 25
1560*
1570 22    DO 23 J=1,17
1580      IF (WDC.EQ.WDCSET(J)) GO TO 24
1590 23    CONTINUE
1600*
1610      GO TO 25
1620 24    ACCPTR(AFSCINDX,RECID,IDSRD)=ACCPTR(AFSCINDX,RECID,IDSRD)+1
1630      ACCPTM(AFSCINDX,RECID,IDSRD)=ACCPTM(AFSCINDX,RECID,IDSRD)+
1640      & MANHRS
1650 25    RECKNT(AFSCINDX,RECID,IDSRD)=RECKNT(AFSCINDX,RECID,IDSRD)+1
1660      SUMHRS(AFSCINDX,RECID,IDSRD)=SUMHRS(AFSCINDX,RECID,IDSRD)+
1670      & MANHRS
1680      INKNTR(AFSCINDX,IDSRD)=INKNTR(AFSCINDX,IDSRD)+1
1690      INKNTM(AFSCINDX,IDSRD)=INKNTM(AFSCINDX,IDSRD)+MANHRS
1700      OUTKNTR(AFSCINDX)=OUTKNTR(AFSCINDX)+1
1710      OUTKNTM(AFSCINDX)=OUTKNTM(AFSCINDX)+MANHRS
1720      GO TO 10
1730 20    FORMAT (I2,2A1,I1,A3,F4.0)
1740 30    CONTINUE
1750*
1760      DO 42 I=1,100
1770      READ (2,40,END=43) AFSC(I)
1780 40    FORMAT (2X,A5)
1790 42    CONTINUE
1800*
1810 43    JJ=I-1
1820      L=0
1830*
1840      DO 90 I=1,JJ
1850      L=L+1
1860      IF (L.EQ.4) WRITE (6,50)
1870      IF (L.EQ.4) L=0
1880 50    FORMAT ('1')
1890      WRITE (6,60)
1900 60    FORMAT ('0',AFSC REC ID SRD # REC % IN ',
1910      & ' % OUT # MHRS % IN % OUT ACC REC % ACC MANHRS',
1920      & ' %')
1930*
1940*      * THE SRD OF THE FIRST MDS IS USED WHEN MORE THAN ONE
1950*      * SERIES OF AN MDS IS PRESENT.
1960*
1970      NEWSRD=SRD(1,1)
1980*
1990      DO 80 K=1,2
2000      IF (INKNTR(I,K).LT.0.001) INKNTR(I,K)=1.0
2010      IF (OUTKNTR(I).LT.0.001) OUTKNTR(I)=1.0
2020      IF (INKNTM(I,K).LT.0.001) INKNTM(I,K)=1.0
2030      IF (OUTKNTM(I).LT.0.001) OUTKNTM(I)=1.0
2040*

```

FIGURE H-1. ANALYSIS PROGRAM LISTING - JG05A/CDEP/DET.REC (CONT'D)

```

2050      DO 65 J=1,3
2060          DUMREC(J)=RECKNT(I,J,K)
2070          DUMHRS(J)=SUMHRS(I,J,K)
2080          IF (RECKNT(I,J,K).LT.0.001) DUMREC(J)=0.001
2090          IF (SUMHRS(I,J,K).LT.0.001) DUMHRS(J)=0.001
2100 65      CONTINUE
2110*
2120          WRITE (6,70) (AFSC(I),J,NEWSRD,RECKNT(I,J,K),
2130      & RECKNT(I,J,K)/INKNTR(I,K)*100.,RECKNT(I,J,K)/OUTKNTR(I)*
2140      & 100.,
2150      & SUMHRS(I,J,K),SUMHRS(I,J,K)/INKNTM(I,K)*100.,
2160      & SUMHRS(I,J,K)/OUTKNTM(I)*100.,ACCPTR(I,J,K),
2170      & ACCPTR(I,J,K)/DUMREC(J)*100.,ACCPM(I,J,K),
2180      & ACCPM(I,J,K)/DUMHRS(J)*100.,J=1,3)
2190 70      FORMAT (2X,A5,4X,I1,6X,A3,2X,F6.0,1X,F6.2,1X,F6.2,
2200      & 1X,F7.0,1X,F6.2,1X,F6.2,3X,F6.0,2X,F6.2,3X,F7.0,4X,F6.2)
2210      NEWSRD=SRD(2,1)
2220 80      CONTINUE
2230*
2240 90      CONTINUE
2250      IF (.NOT.NOILM) STOP
2260*
2270*      * THIS PORTION OF DET.REC DETERMINES THE RATE, IN MAN-HOURS
2280*      * PER SORTIE, THAT UNSCHEDULED OFF-EQUIPMENT MAINTENANCE
2290*      * IS REQUIRED. IT DOES THIS BY ACCUMULATING MAN-HOURS FOR
2300*      * RECORDS WITH A RECORD ID OF 3, OR 1 IF THE SRD BELONGS TO
2310*      * AN ENGINE.
2320*
2330*      * TWO FILES ARE READ IN FROM CATALOGS OFFMAP AND ILMMAP. ONE
2340*      * FILE IS READ FROM EACH CATALOG. THE OFFMAP CATALOG CONTAINS
2350*      * A FILE FOR EACH BASE AND AIRCRAFT TYPE AT THAT BASE. IN
2360*      * THIS FILE IS A LIST OF OFF-EQ. AFSC S AND NUMBERS TO INDICATE
2370*      * THEIR POSITION.
2380*
2390*      * CATALOG ILMMAP ALSO CONTAINS A FILE FOR EACH BASE AND AIR-
2400*      * CRAFT TYPE. IN THESE FILES ARE MAPPINGS TO PUT TOGETHER
2410*      * DIFFERENT WORK CENTERS WHICH DO THE SAME WORK. WHEN PUT
2420*      * TOGETHER THE INDEX CORRESPONDS TO THE NUMBERING OF AFSC S IN
2430*      * THE OFFMAP CATALOG (FILE).
2440*
2450*
2460*
2470*      * READ OFFMAP AND ILMMAP FILES
2480*
2490      DO 105 I=1,100
2500          READ (03,100,END=110) OFFINDX(I),OFFMAP(I)
2510          WRITE (6,102) OFFINDX(I),OFFMAP(I)
2520 100      FORMAT (I2,A5)
2530 102      FORMAT (1X,I2,A5)
2540 105      CONTINUE
2550*
2560 110      LAST2=I-1
2570*

```

FIGURE H-1. ANALYSIS PROGRAM LISTING - JG05A/CDEP/DET.REC (CONT'D)

```

2580      DO 120 I=1,100
2590          READ (04,115,END=130) ILMMAP(I),ILMINDX(I)
2600 115      FORMAT (1X,A5,1X,I2)
2610 120      CONTINUE
2620*
2630 130      LAST=I-1
2640*
2650*      *   END INPUT.
2660*
2670*      *   ALPHABETIZE OFFMAP AND ILMMAP.  THIS IS DONE TO ALLOW ONE
2680*      *   PASS WHEN COMPARING ILMMAP AFSC S TO THOSE IN THE AFSC
2690*      *   ARRAY (MAP 2).
2700*
2710          WRITE (6,135) LAST, LAST2
2720 135      FORMAT (10X,'LAST=',I3,' LAST2=',I3)
2730*
2740          DO 150 I=1, LAST-1
2750*
2760              DO 140 J=1, LAST-I
2770*
2780                  IF (ILMMAP(J).LE.ILMMAP(J+1)) GO TO 138
2790                  TMMAP=ILMMAP(J)
2800                  ILMMAP(J)=ILMMAP(J+1)
2810                  ILMMAP(J+1)=TMMAP
2820                  TMINDX=ILMINDX(J)
2830                  ILMINDX(J)=ILMINDX(J+1)
2840                  ILMINDX(J+1)=TMINDX
2845 138      CONTINUE
2850*
2860 140      CONTINUE
2870*
2880 150      CONTINUE
2890*
2900          DO 170 M=1, LAST2-1
2910*
2920              DO 160 N=1, LAST2-M
2930*
2940                  IF (OFFMAP(N).LE.OFFMAP(N+1)) GO TO 155
2950                  TFMAP=OFFMAP(N)
2960                  OFFMAP(N)=OFFMAP(N+1)
2970                  OFFMAP(N+1)=TFMAP
2975 155      CONTINUE
2980*
2990 160      CONTINUE
3000*
3010 170      CONTINUE
3020*
3030*      *   END OF ALPHABETIZATION.  PRINT RESULTING ORDERS TO BE SURE
3040*      *   AFSC S MATCH.
3050*
3060          WRITE (6,180)
3070 180      FORMAT ('1',30X,'ILMMAP'//30X,'AFSC',3X,'INDEX'//)
3080          WRITE (6,190) (ILMMAP(I),ILMINDX(I),I=1,LAST)

```

FIGURE H-1. ANALYSIS PROGRAM LISTING - JG05A/CDEP/DET.REC (CONT'D)

```

3090 190  FORMAT (30X,A5,3X,I2)
3100*
3110      WRITE (6,200)
3120 200  FORMAT ('1',30X,'OFFMAP'//30X,'AFSC',3X,'INDEX'//)
3130      WRITE (6,210) (OFFMAP(I),OFFINDX(I),I=1,LAST2)
3140 210  FORMAT (30X,A5,3X,I2)
3150*
3160*
3170*      * MATCH ILM MAP AFSC S TO THOSE IN MAP 2, THAT IS ARRAY AFSC.
3180*      * USING THE INDEX ASSOCIATED WITH ILM MAP DETERMINES THE POSITION
3190*      * IN THE OFFHRS ARRAY.
3200*
3210*
3220      DO 240 I=1, LAST
3230*
3240          J=I
3250 215  IF (ILMAP(I).NE.AFSC(J)) GO TO 230
3260*
3270      DO 220 K=1,2
3280          OFFHRS(ILMINDX(I))=OFFHRS(ILMINDX(I)) + ACCPTM(J,3,K)
3290 220  CONTINUE
3300*
3310      OFFHRS(ILMINDX(I))=OFFHRS(ILMINDX(I)) + ACCPTM(J,1,2)
3320      GO TO 235
3330 230  J=J+1
3340      GO TO 215
3350 235  CONTINUE
3360*
3370 240  CONTINUE
3380*
3390*
3400*      * PRINT AND WRITE INTERMEDIATE LEVEL MAINTENANCE MAN-HOURS AND
3410*      * MAN-HOURS PER SORTIE.
3420*
3430      WRITE (6,250)
3440 250  FORMAT ('1',20X,'WC #      AFSC      TOTAL      MANHOURS'//,37X,
3450      &      'MAN-HOURS      PER SORTIE')
3460      WRITE (6,260) (I,OFFMAP(I),OFFHRS(I)/10.,
3470      &OFFHRS(I)/(10.*SORTIES),I=1,LAST2)
3480 260  FORMAT (23X,I2,3X,A5,5X,F7.1,5X,F7.4)
3490      STOP
3500      END

```

\*

FIGURE H-1. ANALYSIS PROGRAM LISTING - JG05A/CDEP/DET.REC (CONT'D)



APPENDIX I.  
SMALLJCL PROGRAM LISTINGS

## APPENDIX I. SMALLJCL PROGRAM LISTINGS

### A. OS29/N241D/CDEP/PROGRAMS/ERR.CHEK

Function. Reads combination file output from JG05A/CDEP/JCL/DB.CRE, and checks to make sure the start-time on Form 349 and the start time indicated by the Job Control Number are within five days of one another.

Input. CO. Base tape

Output. Print-out of the number of 'bad' records, as well as the total number of records.

Listing. Figure I-1.

### B. OS29/N241D/CDEP/PROGRAMS/REDTAB

Function. Reduces and tabulates data

Accumulates statistics for each work center on break rates, number of crews and service rates.

Completes the process of translating standard Air Force maintenance data into the Sortie-Generation model queuing inputs.

Listing. Figure I-2.

```

090***** OS29/N241D/CDEP/PROGRAMS/ERR.CHEK
100*
110*  * PROGRAM READS THE COMBINATION FILE OUTPUT FROM CDEP AND DOES
120*  * THE FOLLOWING:
130*  *     1. CHECKS TO SEE THAT THE START TIME INDICATED BY
140*  *         THE JCN AND START TIME OF THE 349 FORM ARE WITHIN
150*  *         5 DAYS OF ONE ANOTHER.
160*
170     CHARACTER X1*12,WUC*3,COMPOS*3,X2*21
180     INTEGER JCN1,START1,DIF,BADDIF,BADWUC
190*
200     IGOOD=0
210     BADDIF=0
220     BADWUC=0
230     ITOTAL=0
240*
250*  * READ A RECORD
260*
270 5   READ (01,10,END=70) JCN1,X1,WUC,COMPOS,START1,X2
280 10  FORMAT (I3,A12,2A3,I3,A21)
290     ITOTAL=ITOTAL+1
300*
310*  * CHECK TO SEE IF A GOOD RECORD.
320*
330     DIF=IABS(JCN1-START1)
340     IF (DIF .LE. 5) GO TO 30
350     BADDIF = BADDIF + 1
360     GO TO 5
370 30  DECODE (WUC,35) IND
380 35  FORMAT (I2,1X)
390     IF (IND .GE. 11) GO TO 40
400     BADWUC = BADWUC + 1
410     GO TO 5
420 40  CONTINUE
430*
440*  * THIS IS A GOOD RECORD; WRITE IT TO UNIT 7.
450*
460     IGOOD=IGOOD+1
470     WRITE (7,50) JCN1,X1,WUC,COMPOS,START1,X2
480 50  FORMAT (I3,A12,2A3,I3,A21)
490     GO TO 5
500*
510*  * END-OF-FILE PROCESSING
520 70  CONTINUE
530     WRITE (6,80) ITOTAL,IGOOD,BADWUC+BADDIF,BADWUC,BADDIF
540 80  FORMAT ('1'////' RECORDS READ =' ,I10/
550     &          ' GOOD RECORDS =' ,I10/
560     &          ' BAD RECORDS  =' ,I10/
570     &          5X,'BAD WUC   -',T30,I6/
580     &          5X,'DIFF TOO HIGH -',T30,I6)
590 90  FORMAT (1X-'TOTAL READ =' ,I6,' TOTAL WRITTEN =' ,I6)

```

FIGURE I-1. ERROR CHECK -  
OS29/N241D/CDEP/PROGRAMS/ERR.CHEK

600        STUP  
610        END

\*

FIGURE I-1. ERROR CHECK -  
OS29/N241D/CDEP/PROGRAMS/ERR.CHEK (CONT'D)

```

100***** OS29/N241D/CDEP/PROGRAMS/REDTAB
110*
120** THE PRIMARY INPUT FILE FOR THIS PROGRAM IS ON UNIT 01.
130** THIS IS THE "CO" FILE FROM CDEP, SORTED WORKCENTER BY JCN
140** BY START-TIME. STATISTICS ARE ACCUMULATED BY W/C, AND, TO
150** SOME EXTENT, FOR EACH JCN WITHIN A W/C. W/C STATISTICS ARE
160** WRITTEN OUT ON UNITS 8 AND 9; (OPTIONAL) JCN STATISTICS FOR
170** CONSTRUCTING HISTOGRAMS CAN BE WRITTEN TO UNIT 7. THE DATA ON
180** UNIT 9 (BREAK RATES, CREWS, SERVICE RATES, FOR EACH W/C) IS
190** SUBSEQUENTLY USED AS AN INPUT TO THE SORTIE GENERATION MODEL (SGM).
200** FOLLOWING ARE DESCRIPTIONS OF SOME OF THE VARIABLES.
210**
220** KOUNTHIT - NO. OF TASKS FOR THIS JCN
230** STARTONE - EARLIEST START TIME FOR THIS JCN
240** IDLE - IDLE TIME FOR THIS JCN
250** STOPLAST - LAST STOP TIME FOR THIS JCN
260**
270** NUMJCN - NO. OF JCN'S IN THIS W/C
280** KTQTHIT - NO. OF TASKS FOR THIS W/C
290** TOTIDLE - IDLE TIME FOR THIS W/C
300** TOTCLOCK - CUM. CLOCK TIME FOR ALL JCN'S IN THIS W/C
310**
320     DIMENSION MEN(25),CREWS(25),PBREAK(25),SRATE(25),CLOCK(25),
321     &STDEV(25)
325     REAL MEANBRK
330     CHARACTER AFSC*5(30)
340     CHARACTER JCN*7,OLDJCN*7,WUC*3
350     REAL IDLE
360     DATA KOUNTHIT/0/,IN/0/,IDLE/0.0/,STOPLAST/0.0/
370     LOGICAL NOMORE/.F./,HISTO/.F./
380*
390*     *READ AND STORE FILES OF AFSC'S AND MEN PER AFSC
400     REWIND 02
410     DO 20 I=1,50
420         READ (03,13,END=22) MEN(I)
430     13     FORMAT(V)
440         READ (02,15,END=22) AFSC(I)
450     15     FORMAT (2X,A5)
460     20     CONTINUE
470     22     MAXAFSC = I-1
480         CALL FCLOSE(2)
490         CALL FCLOSE(3)
491         WRITE (6,13) MEN
500*
510     READ (05,13) NSORTIES
520     PRINT *, 'NUMBER OF SORTIES =', NSORTIES
530     RECIPN = 1./FLOAT(NSORTIES)
540     READ (5,13,END=23) HISTO
550     23     REWIND 01
560     WRITE (8,24)
570     24     FORMAT('1'///      W/C      AFSC      AVG IDLE      AVG TASKS      MAN-HR'///)

```

FIGURE I-2. REDUCTION AND TABULATION -  
OS29/N241D/CDEP/PROGRAMS/REDTAB

```

580*
590 25 READ (01,27,END=75) JCN,WUC,ISTART,ISTOP,KWC,KREWS
600    IN = IN+1
610 27 FORMAT (1X,A7,8X,A3,3X,I6,I6,4X,I2,I1)
620*
630*    *CHANGE TIMES FROM DAYS TO HOUR*
640    START = FLOAT(ISTART) * .024
650    FINISH = FLOAT(ISTOP) * .024
660    IF (KWC .NE. KOLDWC) GO TO 50
670    IF (JCN .NE. OLDJCN) GO TO 50
680*
690*    PROCESS A RECORD FOR CURRENT W/C
700 30 KOUNTHIT = KOUNTHIT+1
710    IF (KOUNTHIT .GT. 1) GO TO 35
720        STARTONE = START
730        GO TO 40
740 35 IF (START .GT. STOPLAST) IDLE = IDLE + START-STOPLAST
750 40 CONTINUE
760    IF (FINISH .GT. STOPLAST) STOPLAST = FINISH
770    TIMESUM = TIMESUM + (FINISH-START)
780    CREWSUM = CREWSUM + (FINISH-START)*KREWS
790    GO TO 25
800*
810*    PERFORM END-OF-JCN PROCESSING
820 50 CONTINUE
830    OLDJCN = JCN
840    IF (KOUNTHIT .EQ. 0) GO TO 70
850    NUMJCN = NUMJCN + 1
860    CLOCKJCN = STOPLAST - STARTONE
870    IF (HISTO) WRITE (7,55) KOLDWC,NUMJCN,KOUNTHIT,IDLE,CLOCKJCN
880 55 FORMAT (3I8,2F10.4)
890    KTOTHIT = KTOTHIT + KOUNTHIT
900    TOTIDLE = TOTIDLE + IDLE
910    TOTCLOCK = TOTCLOCK + CLOCKJCN
915    CLOCKSQ=CLOCKSQ+CLOCKJCN**2
920    IDLE = 0.0
930    STOPLAST = 0.0
940    KOUNTHIT = 0
950    IF (KWC .EQ. KOLDWC) GO TO 30
960*
970*    *PERFORM END-OF-W/C PROCESSING
980 60 CONTINUE
990    RECIPJCN = 1./FLOAT(NUMJCN)
1000    CREWS(KOLDWC) = MEN(KOLDWC) * TIMESUM / CREWSUM
1010    CLOCK(KOLDWC) = TOTCLOCK * RECIPJCN
1015    STDEV(KOLDWC)=(CLOCKSQ*RECIPJCN-CLOCK(KOLDWC)**2)**0.5
1020    PBREAK(KOLDWC) = 1. - ((NSORTIES-1.)*RECIPN)**NUMJCN
1030    AVGIDLE = TOTIDLE * RECIPJCN
1040    AVGHITS = FLOAT(KTOTHIT) * RECIPJCN
1050    RMANHR = CREWSUM / FLOAT(KTOTHIT)
1060    WRITE (8,65) KOLDWC,AFSC(KOLDWC),AVGIDLE,AVGHITS,RMANHR
1070 65 FORMAT (I6,5X,A5,3F12.4)
1080    IF (NOMORE) GO TO 80

```

FIGURE I-2. REDUCTION AND TABULATION -  
OS29/N241D/CDEP/PROGRAMS/REDTAB (CONT'D)

```

1090 70 CONTINUE
1100 TOTIDLE = 0.0
1110 TIMESUM = 0.0
1120 CREWSUM = 0.0
1130 TOTCLOCK = 0.0
1135 CLOCKSQ=0.0
1140 KTOTHIT = 0
1150 NUMJCN = 0
1160 KOLDWC = KWC
1170 GO TO 30
1180*
1190 75 NOMORE = .T.
1200 KWC = 999
1210 GO TO 50
1220 80 PRINT , 'RECORDS INPUT =', IN
1230*
1240 WRITE (6,85)
1250 85 FORMAT ('1', /// ' W/C AFSC PR [BREAK] CLOCK', 6X,
1260 & 'S.RATE', 4X, 'MEN', 4X, 'CREWS', 4X, 'ST. DEV' ///)
1270 BREAK = 1.0
1280 DO 90 J=1, MAXAFSC
1290 BREAK = BREAK * (1.-PBREAK(J))
1300 SRATE(J) = 0.0
1310 IF (CLOCK(J) .GT. 0.) SRATE(J) = 1./CLOCK(J)
1320 WRITE (6,87) J, AFSC(J), PBREAK(J), CLOCK(J), SRATE(J),
1330 & MEN(J), CREWS(J), STDEV(J)
1340 87 FORMAT (I5, 4X, A5, 3F11.4, I6, F10.2, F10.4)
1360 88 FORMAT (F10.4, F10.2, F10.4)
1370 90 CONTINUE
1380 WRITE (6,98) 1.-BREAK
1390 98 FORMAT (/// 'THE OVERALL BREAK RATE IS', F7.4, /'1')
1400*
1410** COMPUTE EXPECTED NUMBER OF JOBS PER SORTIE AND THE PROBABILITY
1420** OF ONE, TWO, AND GREATER THAN TWO JOBS ON AN A/C FOLLOWING A
1430** SORTIE.
1440*
1441 WRITE (6,130)
1442 130 FORMAT ('1', /// ' AFSC PR [BREAK]
1443 & 'NUM. CREWS SVC. RATE')
1445 DO 200 I=1, MAXAFSC
1447 IF (PBREAK(I).LT.0.0001) GO TO 195
1450 PNOBREAK=1.-PBREAK(I)
1460 MEANBRK=-ALOG(PNOBREAK)
1465 BRKONE=MEANBRK*PNOBREAK
1470 BRKTWO=(MEANBRK**2)*PNOBREAK/2.
1480 BRKGRTR=PBREAK(I)-BRKONE-BRKTWO
1490*
1500** COMPUTE THE CONDITIONAL PROBABILITY OF ONE, TWO, OR GREATER
1510** THAN TWO JOBS, GIVEN THAT THE AIRCRAFT BROKE.
1520*
1530 SUMBRK=BRKONE+BRKTWO+BRKGRTR
1540 BRKONE=BRKONE/SUMBRK
1550 BRKTWO=BRKTWO/SUMBRK

```

FIGURE I-2. REDUCTION AND TABULATION -  
OS29/N241D/CDEP/PROGRAMS/REDTAB (CONT'D)

```

1560      BRKGRTR=BRKGRTR/SUMBRK
1570*
1580**    CALCULATE THE EXPECTED SERVICE TIME & SERVICE RATE. THE FIRST
1590**    & SECOND ORDER STATISTICS ARE DETERMINED BECAUSE WE ALLOW UP
1600**    TO THREE JOBS TO BREAK INTO THE SAME WORKCENTER FOLLOWING
1610**    A SORTIE. THE SERVICE DISCIPLINE IS TO ALLOW TWO JOBS TO BE
1620**    WORKED ON SIMULTANEOUSLY (EACH USING A FULL CREW) AND FOR THE
1630**    SERVER WHICH FINISHES FIRST (ORDRONE) TO IMMEDIATELY BEGIN
1640**    WORK ON JOB 3.
1650*
1660      ORDRONE=CLOCK(I)*0.5
1670      ORDRTWO=1.5*CLOCK(I)
1680      EXPSVC=BRKONE*CLOCK(I)+BRKTWO*ORDRTWO+BRKGRTR*(ORDRONE+
1690      &ORDRTWO)
1700      SRATE(I)=1./EXPSVC
1710*
1720**    DETERMINE THE EXPECTED NUMBER OF MEN WORKING IN THE WORKCENTER
1730**    AT A RANDOM POINT IN TIME. THIS NUMBER DETERMINES THE
1740**    EXPECTED NUMBER OF CREWS.
1750*
1751      PRINT , 'NMEN( , I, ) = ', MEN(I)
1760      AVGCREW=FLOAT(MEN(I))/CREWS(I)
1761      PRINT , 'AVGCREW = ', AVGCREW
1770      EXPMEN=(BRKONE*CLOCK(I)*AVGCREW
1780      &+BRKTWO*(AVGCREW*(ORDRONE+ORDRTWO))
1790      &+BRKGRTR*(AVGCREW*(ORDRONE+2.*ORDRTWO)))/EXPSVC
1800      CREWS(I)=FLOAT(MEN(I))/EXPMEN
1810 195  WRITE (9,88) PBREAK(I), CREWS(I), SRATE(I)
1811      WRITE (6,197) AFSC(I), PBREAK(I), CREWS(I), SRATE(I)
1812 197  FORMAT (2X, A5, 2X, 3(10X, F10.4))
1820 200  CONTINUE
1830      STOP
1840      END

```

\*

FIGURE I-2. REDUCTION AND TABULATION -  
OS29/N241D/CDEP/PROGRAMS/REDTAB (CONT'D)



APPENDIX J.  
NOTIONAL BASE PROGRAM LISTINGS

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## APPENDIX J. NOTIONAL BASE PROGRAM LISTINGS

### A. JG05A/CDEP/ALL.NOT

Function. Calculates notional base manpower inputs to the Sortie Generation Model. Each base's data, break rate, service rate and number of servers is weighted to compute notional base data. Sorties and number of jobs are used to weight base break rates, service rates, and number of servers respectively. The difference in AFSC's among bases is taken into account.

Listing. Figure J-1.

```

1000*
1010*  * PURPOSE OF THIS PROGRAM IS TO CALCULATE THE NOTIONAL BASE
1020*  * MANPOWER INPUTS TO THE SORTIE GENERATION MODEL.  EACH BASE'S
1030*  * DATA, BREAK RATE, SERVICE RATE, AND NUMBER OF SERVERS, ARE
1040*  * WEIGHTED TO COMPUTE NOTIONAL BASE DATA.  SORTIES AND
1050*  * THE NUMBER OF JOBS ARE USED TO WEIGHT THE BASE BREAK RATES,
1060*  * SERVICE RATES, AND NUMBERS OF SERVERS, RESPECTIVELY.
1070*
1080*
1090*  * ALL DATA FOR ALL BASES ARE READ SIMULTANEOUSLY.  BY READING
1100*  * THE AFSC S WE ARE ABLE TO TELL BASES APART.  DATA ARE PLACED IN
1110*  * THEIR PROPER POSITION BY USING AN INDEX FILE TO ACCOUNT FOR ALL
1120*  * BASES NOT HAVING THE SAME AFSC S.  BASES ARE READ ONE MD AT A
1130*  * TIME WITH A COUNTER TO INDICATE A MD CHANGE.
1140*
1150*
1153  PARAMETER MAXAFSC=20,MAXBASE=33,NUMMDS=5
1155  PARAMETER NENTRY=MAXAFSC*MAXBASE,NOTBASE=MAXAFSC*NUMMDS
1160  INTEGER TYPEAC(NUMMDS),NUMAFSC(NUMMDS),
1161  &      ORDRAFSC(30,NUMMDS)
1170*
1180  REAL BRKRTE(MAXAFSC,MAXBASE),NOTBRK(MAXAFSC,NUMMDS),
1182  &      SVC RTE(MAXAFSC,MAXBASE),NOTSVC(MAXAFSC,NUMMDS),
1184  &      CRWSIZE(MAXAFSC,MAXBASE),NOTCRW(MAXAFSC,NUMMDS),
1186  &      SORTIES(MAXBASE),NBREAK(MAXBASE)
1200*
1210  CHARACTER BASETYPE*37(NUMMDS),MSTRAFSC*5(30,NUMMDS),
1211  &      AFSCNEW*5,AFSCOLD*5
1220*
1230  COMMON /LISTS/BRKRTE,CRWSIZE,SVC RTE,MSTRAFSC,ORDRAFSC,NUMMD,
1235  &ITYPEAC
1240*
1250*
1260*  *  INITIALIZATION
1270*
1280*
1290  DATA TYPEAC/15,23,25,29,33/
1300  &      NUMAFSC/18,15,16,19,15/,
1310  &      ORDRAFSC/1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,
1315  &              8,5,2,4,6,11,15,7,1,3*0,
1320  &              1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,12,14*0,
1330  &              1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,13,13*0,
1340  &              1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,
1345  &              16,10*0,
1350  &              1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,
1355  &              4,5,6,10,11,12,9*0/
1360  DATA BRKRTE/NENTRY*0.0/,NOTBRK/NOTBASE*0.0/,
1370  &      SVC RTE/NENTRY*0.0/,NOTSVC/NOTBASE*0.0/,
1380  &      CRWSIZE/NENTRY*0.0/,NOTCRW/NOTBASE*0.0/
1390  DATA SORTIES/7689.,6156.,6623.,2891.,8598.,4052.,6145.,
1400  &      3493.,5945.,4202.,1637.,2273.,1627.,4841.,1716.,

```

FIGURE J-1. NOTIONAL BASE - JG05A/CDEP/ALL.NOT

```

1410      &      7925.,4808.,7217.,6008.,5001.,7562.,1887.,1538.,
1420      &      6662.,2507.,
1430      &      7859.,8996.,1602.,8916.,
1440      &      3823.,3763.,4068.,3369./
1450      DATA BASETYPE/'1      F4 NOTIONAL BASE',
1460      &      '1      F15 NOTIONAL BASE',
1470      &      '1      F16 NOTIONAL BASE',
1480      &      '1      A10 NOTIONAL BASE',
1490      &      '1      F111 NOTIONAL BASE'//
1500*
1510      DATA MSTRAFSC/'321X2', '322X2', '325X0', '328X0', '328X3',
1520      &      '328X4', '404R1', '423E2', '423E3', '423X0',
1530      &      '423X1', '423X4', '426X2', '427R0', '427R5',
1540      &      '431E1', '431X1', '462X0', '423X2', '328R3',
1543      &      '322R2', '328R0', '328R4', '423R1', '427X5',
1545      &      '404X1', '321R2', 3*      ',
1550      &      '326X6', '326X7', '326X8', '423E2', '423E3',
1560      &      '423X0', '423X1', '423X4', '426R2', '426X2',
1570      &      '427R0', '427X5', '431E1', '431X1', '462X0',
1580      &      '427R5', 14*      ',
1590      &      '326X6', '326X7', '326X8', '404R1', '423E2',
1600      &      '423E3', '423X0', '423X1', '423X4', '426R2',
1610      &      '426X2', '427R0', '427R5', '431E1', '431X1',
1620      &      '462X0', '427X5', 13*      ',
1630      &      '321X2', '322R2', '325X0', '325X1', '328R3',
1640      &      '328X0', '328X1', '404R1', '423E2', '423E3',
1650      &      '423X0', '423X1', '423X4', '426X2', '427R0',
1660      &      '427R5', '431E1', '431X1', '462X0', '427X5',
1663      &      10*      ',
1670      &      '326X6', '326X7', '326X8', '404R1', '423E2',
1680      &      '423E3', '423X0', '423X1', '423X4', '426X2',
1690      &      '427R0', '427X5', '431E1', '431X1', '462X0',
1700      &      '404X1', '423X2', '423X3', '426R2', '427X0',
1705      &      '427R5', 9*      '//
1710*
1720*  *  END INITIALIZATION
1730*
1740      NUMMD=1
1750      ITYPEAC=1
1760      AFSCOLD='00000'
1770  5  READ (1,10,END=30) AFSCNEW
1780      READ (2,230,END=30) RTEBRK,SIZECRW,RTESVC
1800      IF (AFSCNEW.GT.AFSCOLD) CALL INSRT(AFSCNEW,AFSCOLD,RTEBRK,
1810      &      SIZECRW,RTESVC)
1820  10  FORMAT (2X,A5)
1830      IF (AFSCNEW.LT.AFSCOLD) CALL NEWBASE(AFSCNEW,AFSCOLD,RTEBRK,
1840      &      SIZECRW,RTESVC,TYPEAC)
1850      GO TO 5
1860  30  CONTINUE
1861      WRITE (6,27) ((BRKRTE(I,J),J=1,8),I=1,20)
1862      WRITE (6,27) ((BRKRTE(I,J),J=9,16),I=1,20)
1863      WRITE (6,27) ((BRKRTE(I,J),J=17,24),I=1,20)
1864      WRITE (6,27) ((BRKRTE(I,J),J=25,MAXBASE),I=1,20)

```

FIGURE J-1. NOTIONAL BASE - JG05A/CDEP/ALL.NOT (CONT'D)

```

1865 27  FORMAT (///,8(3X,F10.4))
1870*
1880*  *  OUTER LOOP IS USED TO CONTROL NOTIONAL BASE CALCULATIONS
1890*  *  FOR EACH MD TYPE.
1900*
1905      IFIRST=1
1910      DO 200 NUMNOT=1,NUMMDS
1920*
1930*  *  COMPUTE WEIGHTED MEAN BREAK RATE.  ZEROES ARE EXCLUDED
1940*  *  FROM THE COMPUTATION.
1950*
1970      ILAST=TYPEAC(NUMNOT)
1980      DO 100 IAFSC=1,NUMAFSC(NUMNOT)
1990      SUMSORT=0.
2000      SUMBRK=0.
2010      DO 40 MDTYPE=IFIRST,ILAST
2020      IF (BRK RTE(IAFSC,MDTYPE).LE.0.0001) GO TO 35
2030      SUMSORT = SUMSORT + SORTIES(MDTYPE)**2
2040      SUMBRK = SUMBRK + (BRK RTE(IAFSC,MDTYPE)*SORTIES(MDTYPE))**2
2050 35  CONTINUE
2060 40  CONTINUE
2070      NOTBRK(IAFSC,NUMNOT)=SQRT(SUMBRK/SUMSORT)
2080*
2090*  *  COMPUTE THE NUMBER OF BREAKS.  THIS NUMBER IS USED AS THE
2100*  *  WEIGHTING FACTOR FOR THE NOTIONAL
2110*  *  SERVICE RATE AND CREW SIZE CALCULATIONS.
2120*
2130      DO 50 MDTYPE=IFIRST,ILAST
2140      NBREAK(MDTYPE)=ALOG(1.-BRK RTE(IAFSC,MDTYPE))/ALOG(1.-1./
2150      & SORTIES(MDTYPE))
2160 50  CONTINUE
2170*
2180*  *  COMPUTE WEIGHTED NUMBER OF SERVERS.
2190*
2200      SUMCREW=0.
2210      SUMBRK=0.
2220      DO 60 MDTYPE=IFIRST,ILAST
2230      SUMBRK=SUMBRK+NBREAK(MDTYPE)**2
2240      SUMCREW=SUMCREW+(NBREAK(MDTYPE)*CRWSIZE(IAFSC,MDTYPE))**2
2250 60  CONTINUE
2260      NOTCRW(IAFSC,NUMNOT)=SQRT(SUMCREW/SUMBRK)
2270*
2280*  *  COMPUTE WEIGHTED SERVICE RATE.
2290*
2310      SUMRATE=0.
2320      DO 70 MDTYPE=IFIRST,ILAST
2330      IF (SVC RTE(IAFSC,MDTYPE).LE.0.0001) GO TO 65
2340      SUMRATE=SUMRATE+(NBREAK(MDTYPE)/SVC RTE(IAFSC,MDTYPE))**2
2350 65  CONTINUE
2360 70  CONTINUE
2370      RATE=SQRT(SUMRATE/SUMBRK)
2380      NOTSVC(IAFSC,NUMNOT)=1./RATE
2390 100 CONTINUE

```

FIGURE J-1. NOTIONAL BASE - JG05A/CDEP/ALL.NOT (CONT'D)

```

2400      IFIRST=TYPEAC(NUMNOT)+1
2410 200  CONTINUE
2420      DO 400 I=1,5
2430      WRITE (6,210) BASETYPE(I)
2440 210  FORMAT (A37)
2450      WRITE (6,215)
2460 215  FORMAT (////'  AFSC              PR [BREAK]
2470      &'NUM. CREWS              SVC. RATE')
2480      DO 300 IAFSC=1,NUMAFSC(I)
2490      IF (ORDRAFSC(IAFSC,I).NE.0) WRITE (I+6,220) MSTRAFSC(ORDRAFSC(
2500      &IAFSC,I),I)
2510 220  FORMAT (2X,A5)
2520      IF (ORDRAFSC(IAFSC,I).NE.0) WRITE (I+11,230)
2530      & NOTBRK(ORDRAFSC(IAFSC,I),I),
2540      & NOTCRW(ORDRAFSC(IAFSC,I),I),
2550      & NOTSVC(ORDRAFSC(IAFSC,I),I)
2560 230  FORMAT (F10.4,F10.2,F10.4)
2570      IF (ORDRAFSC(IAFSC,I).NE.0) WRITE (6,250)
2580      & MSTRAFSC(ORDRAFSC(IAFSC,I),I),
2590      & NOTBRK(ORDRAFSC(IAFSC,I),I),
2600      & NOTCRW(ORDRAFSC(IAFSC,I),I),
2610      & NOTSVC(ORDRAFSC(IAFSC,I),I)
2620 250  FORMAT (2X,A5,3X,3(10X,F10.4))
2630 300  CONTINUE
2640 400  CONTINUE
2650      STOP
2660      END
2670*
2680*
2690* * SUBROUTINE "INSRT" PLACES THE BREAK RATE, CREW SIZE, AND
2700* * SERVICE RATE IN THEIR PROPER POSITION. INSERTION INTO THE
2710* * DATA ARRAYS TAKES INTO ACCOUNT THE DIFFERENCE IN AFSC S AT
2720* * EACH BASE; THAT IS, ALL BASES DO NOT HAVE THE SAME AFSC SET.
2730*
2740*
2750      SUBROUTINE INSRT(AFSCNEW,AFSCOLD,RTEBRK,SIZECRW,RTESVC)
2760*
2770*
2775      PARAMETER MAXAFSC=20,MAXBASE=33,NUMMDS=5
2780      INTEGER ORDRAFSC(30,5)
2790      CHARACTER AFSCNEW*5,AFSCOLD*5,MSTRAFSC*5(30,NUMMDS)
2795      REAL BRK RTE(MAXAFSC,MAXBASE),CRWSIZE(MAXAFSC,MAXBASE),
2796      & SVC RTE(MAXAFSC,MAXBASE)
2800      COMMON /LISTS/BRK RTE,CRWSIZE,SVC RTE,
2805      &MSTRAFSC,ORDRAFSC,NUMMD,ITYPEAC
2820*
2830* * FIND "NEWAFSC" IN MASTER AFSC LIST AND INSERT ACCORDING
2840* * TO THE POINTER IN THE ORDER AFSC LIST.
2850*
2860      DO 20 I=1,30
2870      IF (AFSCNEW.EQ.MSTRAFSC(I,NUMMD)) GO TO 30
2880 20  CONTINUE
2890      PRINT ', COULD NOT FIND AFSC ',AFSCNEW,'I=',I,'NUMMD=',

```

FIGURE J-1. NOTIONAL BASE - JG05A/CDEP/ALL.NOT (CONT'D)

```

2891      &NUMMD
2900      RETURN
2910 30    CONTINUE
2920      BRK RTE(ORDRAFSC(I,NUMMD),ITYPEAC)=RTEBRK
2930      CRWSIZE(ORDRAFSC(I,NUMMD),ITYPEAC)=SIZECRW
2940      SVC RTE(ORDRAFSC(I,NUMMD),ITYPEAC)=RTESVC
2950      AFSCOLD=AFSCNEW
2960      RETURN
2970      END
2980*
2990*
3000* *   SUBROUTINE "NEWBASE" DETERMINES WHEN THE BASE/MD TYPE CHANGE.
3010* *   THE APPROPRIATE COUNTERS, ITYPEAC AND NUMMD, RESPECTIVELY, ARE
3020* *   INCREASED. THE "INSRT" SUBROUTINE IS THEN CALLED.
3030*
3040*
3050      SUBROUTINE NEWBASE(AFSCNEW,AFSCOLD,RTEBRK,SIZECRW,
3060      &RTESVC,TYPEAC)
3070*
3080*
3085      PARAMETER MAXAFSC=20,MAXBASE=33,NUMMDS=5
3090      INTEGER ORDRAFSC(30,NUMMDS),TYPEAC(NUMMDS)
3100      CHARACTER AFSCNEW*5,AFSCOLD*5,MSTRAFSC*5(30,NUMMDS)
3110      COMMON /LISTS/BRK RTE(MAXAFSC,MAXBASE),
3111      &CRWSIZE(MAXAFSC,MAXBASE),SVC RTE(MAXAFSC,MAXBASE),
3115      &MSTRAFSC,ORDRAFSC,NUMMD,ITYPEAC
3130*
3140* *   UPDATE BASE COUNTER AND CHANGE MD COUNTER, IF NECESSARY.
3150*
3160      ITYPEAC=ITYPEAC+1
3170      IF (TYPEAC(NUMMD).LT.ITYPEAC) NUMMD=NUMMD+1
3180*
3190* *   INSERT DATA IN APPROPRAITE PLACE.
3200*
3210      CALL INSRT (AFSCNEW,AFSCOLD,RTEBRK,SIZECRW,RTESVC)
3220      RETURN
3230      END

```

\*

FIGURE J-1. NOTIONAL BASE - JG05A/CDEP/ALL.NOT (CONT'D)

**APPENDIX K.**

**AN INTRODUCTION TO AIR FORCE BASE MAINTENANCE**

**ORGANIZATIONAL STRUCTURES**



## APPENDIX K

### AN INTRODUCTION TO AIR FORCE BASE MAINTENANCE ORGANIZATIONAL STRUCTURES

There are two primary types of maintenance organizational structures. They are the standard centralized functional concept specified in AFM 26-2 and described in detail in AFM 66-1 and the Combat Oriented Maintenance Organization (COMO) described in AFR 66-5.

The two maintenance organizations differ in their philosophies; a centralized approach versus a decentralized approach. The standard maintenance system places most of the maintenance personnel in shops which perform off-equipment maintenance. Personnel are dispatched from the shops to the flight line to perform on-equipment maintenance on an as-needed basis. This contrasts with the COMO where some of the shop personnel are stationed on the flight line.

AFM 66-1 describes the standard centralized functional concept of an equipment maintenance organization as being organized as sections, branches, divisions, or squadrons based on the overall organizational structure and size of the function. Each function and work center will be manned consistent with the requirements determined by workload, mission, assignment, and other related factors. Functions may be consolidated within major functional areas when the number of assigned personnel does not warrant a separate organizational element. Only functions required by unit mission or equipment are authorized. The deputy commander for maintenance function for each aircraft, ICBM, or CEM maintenance organization will be assigned to the organizational level having functional control of all assigned maintenance personnel and

equipment. The deputy commander for maintenance may also be designated as the chief of maintenance or as a maintenance squadron commander, depending on the organizational alignment.

The standard maintenance organization table is shown in Figure K-1. An alternative form of standard base maintenance organization is the consolidated maintenance organization. The consolidated maintenance structure is shown in Figure K-2.

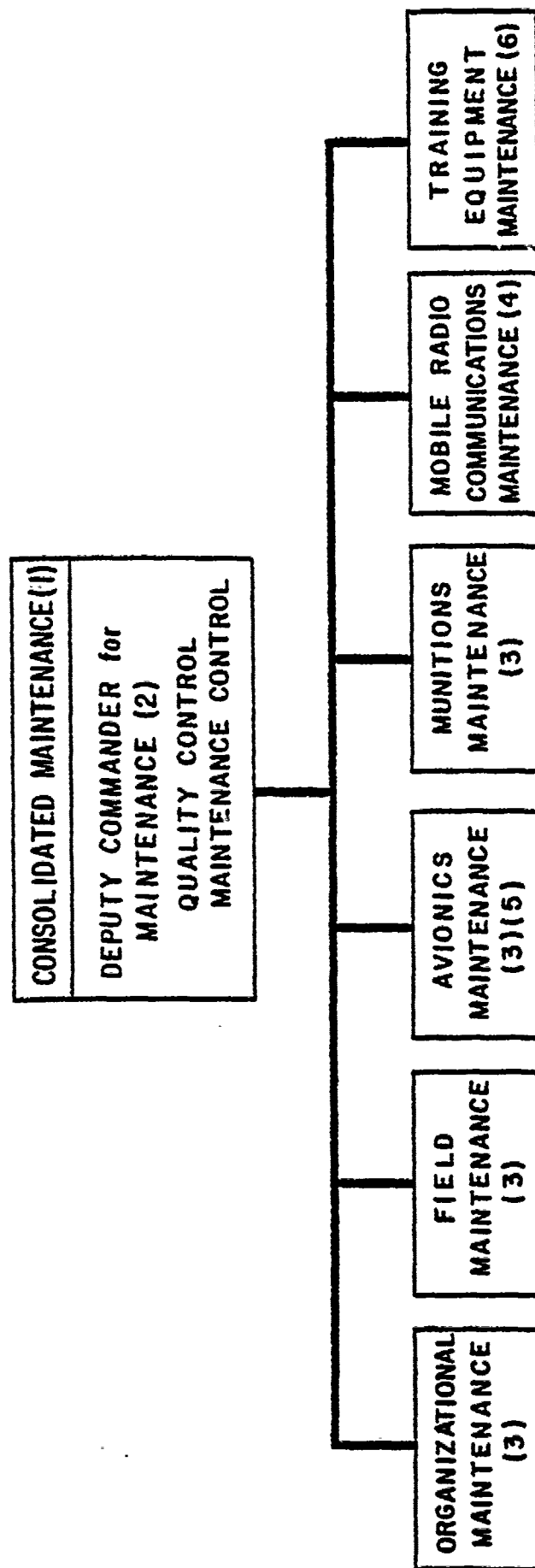
Under the COMO concept, personnel are arranged into off- and on-aircraft production groups. The Aircraft Generation Squadron (AGS) is primarily concerned with on-equipment maintenance and is arranged into branches which are largely self-sufficient. The Component Repair Squadron (CRS) and Equipment Maintenance Squadron (EMS) are divided into shops to perform those tasks mostly concerned with off-equipment or extensive on-equipment work. The COMO structure is shown in Figure K-3 and is taken from AFR 66-5.

The reader who needs additional information on the maintenance structures should consult AFM 66-1 and AFR 66-5.



FIGURE K-2

# **CONSOLIDATED BASE MAINTENANCE ORGANIZATION**



## **NOTES:**

- (1) Consolidated maintenance will be organized as a squadron, division, branch, or section depending upon size of the activity.
- (2) Functions will be authorized from Deputy Commander for Maintenance Organization, Figure 2-1, only as absolutely required.
- (3) Functions will be authorized from Organizational Maintenance, Figure 2-2; Field Maintenance, Figure 2-3; Avionics Maintenance, Figure 2-4; and Munitions Maintenance, Figure 2-6, only as absolutely required. These functions may also be combined depending upon the size of the activity. Maintenance activities may include aircraft, munitions, airborne missile, surface launched intercept missile, communications-electronics-meteorological, and tactical air control system maintenance.
- (4) Function will be authorized to perform maintenance on assigned vehicles and the attendant ground communications equipment of the tactical air support squadron, tactical air control party, or combat control team.
- (5) A special avionics and communications unit also is authorized required functions from the communications-electronics-meteorological equipment maintenance.
- (6) This function can be divided into separate activities to accomplish functional responsibilities at technical training centers. Maintenance activities may include avionics training equipment, missile maintenance training equipment, aircraft training equipment, and communications-electronics-meteorological training equipment maintenance.

# COMO MAINTENANCE STRUCTURE

## NOTES:

- ① MAY INCLUDE MUNITIONS CONTROL.
- ② OPTIONAL. SPECIALISTS MAY BE INTEGRATED INTO THE FLIGHTS.
- ③ IF REQUIRED.
- ④ OPTIONAL. THE SUPPORT SECTIONS OF EACH BRANCH MAY BE CONSOLIDATED INTO A SUPPORT BRANCH.
- ⑤ MAY BE LOCATED IN THE ACCESSORY MAINTENANCE BRANCH (AS DETERMINED BY THE MAJCOM/LCMT).
- ⑥ MAY BE CONSOLIDATED WITH THE AVIONICS BRANCH.
- ⑦ MAY BE CONSOLIDATED WITH MAINTENANCE CONTROL.
- ⑧ MAY BE PLACED UNDER SQUADRON COMMANDER AT MAJCOM OPTION.

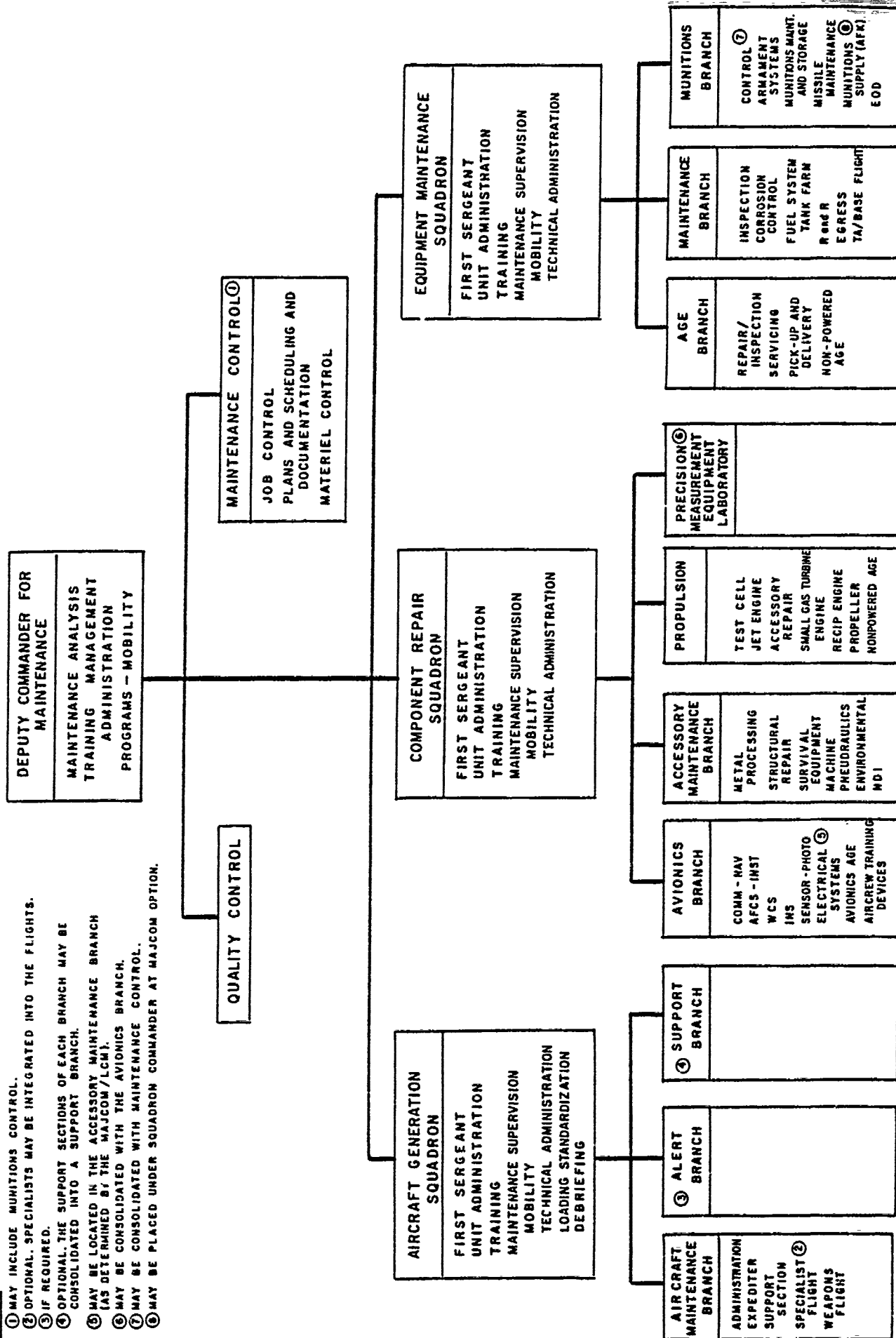


FIGURE K-3

Notes to Figure K-1.

- (1) Functions organized as sections, branches, or divisions based on overall organizational structure and size of function.
- (2) Production analysis, training management, administration, and programs-mobility may each be organized directly under the deputy commander for maintenance, or they may be consolidated under one or more intermediate supervisor(s).
- (3) Mobility authorized only for units having mobility requirement. When the wing logistics plans function is aligned under the deputy commander for maintenance, this element will be known as the logistics plans, programs and mobility division, and will have total functional responsibility.
- (4) Includes the debriefing function.
- (5) Organizational maintenance will be organized as a squadron, division, branch, or section depending upon size of the activity for aircraft equipped units.
- (6) Mobility authorized only for units having a mobility requirement.
- (7) Alert Force authorized only for units having an alert requirement.
- (8) Base flight function authorized only to units assigned base flight aircraft. When base flight aircraft is the mission of the unit, flightline and inspection functions may be utilized instead of base flight.
- (9) Inspection and flightline functions may be combined. A separate flightline or flightline/inspection function is permitted for each major aircraft type.
- (10) When authorized, nonpowered AGE may be realigned under the AGE branch of field maintenance.
- (11) Field maintenance will be organized as a squadron, division, branch, or section depending upon the size of the activity for aircraft equipped units. Field maintenance may include an avionics and/or a munitions section or branch in units possessing insufficient personnel to form a separate squadron.
- (12) Mobility authorized only for units having a mobility requirement.
- (13) Command option to align electrical systems under avionics maintenance.
- (14) Includes SOAP.
- (15) When authorized.
- (16) When workload warrants.

- (17) Munitions maintenance will be organized as a squadron, division, branch, or section depending upon size of the activity.
- (18) Mobility authorized only for units having a mobility requirement.
- (19) When authorized.
- (20) Only authorized for independent munitions maintenance units.
- (21) Authorized for SRAM equipped units.
- (22) SRAM maintenance is organized as a component of munitions maintenance and storage in F-111 units.
- (23) For units maintaining AQM missiles.
- (24) Mobility authorized only for units having a mobility requirement.
- (25) When authorized.
- (26) Integrated guidance and control radar functions may be combined with avionics systems depending upon the size of the activity.
- (27) Mobility authorized only for units having a mobility requirement.
- (28) Avionics flightline maintenance branch responsible for on-equipment maintenance.
- (29) Avionics shop maintenance branch responsible for off-equipment maintenance.
- (30) When authorized for units supporting other type aircraft such as KC-135. These functions may be combined depending upon the size of the activity.
- (31) When authorized.
- (32) Avionics maintenance will be organized as a squadron, division, branch, or section depending upon the size of the activity for aircraft equipped units.
- (33) Mobility authorized only for units having a mobility requirement.
- (34) Analysis authorized only for selected weapon systems based on complexity.
- (35) An avionics test equipment function may be authorized to maintain, control, and issue common test equipment.
- (36) Automatic flight control-instrument branch or mission systems branch may be combined with the communication-navigation branch when separate branch is not justified.

- (37) Command option to align electrical systems under field maintenance.
- (38) Authorized only for units having maintenance requirements for peculiar avionics, AGE, and test equipment.
- (39) When authorized.
- (40) When authorized at technical centers. This function can be divided into separate activities to align with the functional responsibilities at technical training centers. Training equipment assigned to avionics will be electronic oriented and may include missile equipment, communications-electronic-meteorological training equipment, photographic equipment maintenance, and flight simulators.



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04. Software date Yr. Mo. Day 81 09 10			05. Software title The Sortie-Generation Model System Volume V Maintenance Subsystem					
06. Short title			07. Internal Software ID None					
08. Software type <input checked="" type="checkbox"/> Automated Data System <input type="checkbox"/> Computer Program <input type="checkbox"/> Subroutine/Module			09. Processing mode <input type="checkbox"/> Interactive <input type="checkbox"/> Batch <input checked="" type="checkbox"/> Combination			10. General Application area <input type="checkbox"/> Computer Systems Support/Utility <input type="checkbox"/> Scientific/Engineering <input type="checkbox"/> Bibliographic/Textual <input checked="" type="checkbox"/> Other <input type="checkbox"/> Management/Business <input type="checkbox"/> Process Control		
11. Submitting organization and address Logistics Management Institute 4701 Sangamore Road, P. O. Box 9489 Washington, D.C. 20016						12. Technical contact(s) and phone Mr. John B. Abell Mr. Michael J. Konvalinka (301) 229-1000 AV 287-2779		
13. Narrative The Sortie-Generation Model System provides the capability for relating aircraft spares and maintenance manpower levels to the maximal sortie-generation capability of tactical air forces over time. The maintenance subsystem estimates the maintenance manpower and performance input parameters for the queuing model that is embedded in the sortie-generation model (SGM) system. This subsystem estimates the failure rate, service rate, and number of servers for each work center in a maintenance organization.								
14. Keywords Readiness; Resource Allocation; Sortie Generation Capability; Logistics Capability Assessment								
15. Computer manufacturer and model Honeywell C-635			16. Computer operating system GCOS			17. Programming language(s) Cobol 600 Fortran 600/GMAP		18. Number of source program statements 15000
19. Computer memory requirements 49k words 36 bits each			20. Tape drives 4			21. Disk/Drum units 1 Disk 2 million words		22. Terminals 1 time sharing
23. Other operational requirements								
24. Software availability Available <input checked="" type="checkbox"/> Limited <input type="checkbox"/> In-house only <input type="checkbox"/>						25. Documentation availability Available <input checked="" type="checkbox"/> Inadequate <input type="checkbox"/> In-house only <input type="checkbox"/>		
26. FOR SUBMITTING ORGANIZATION USE								